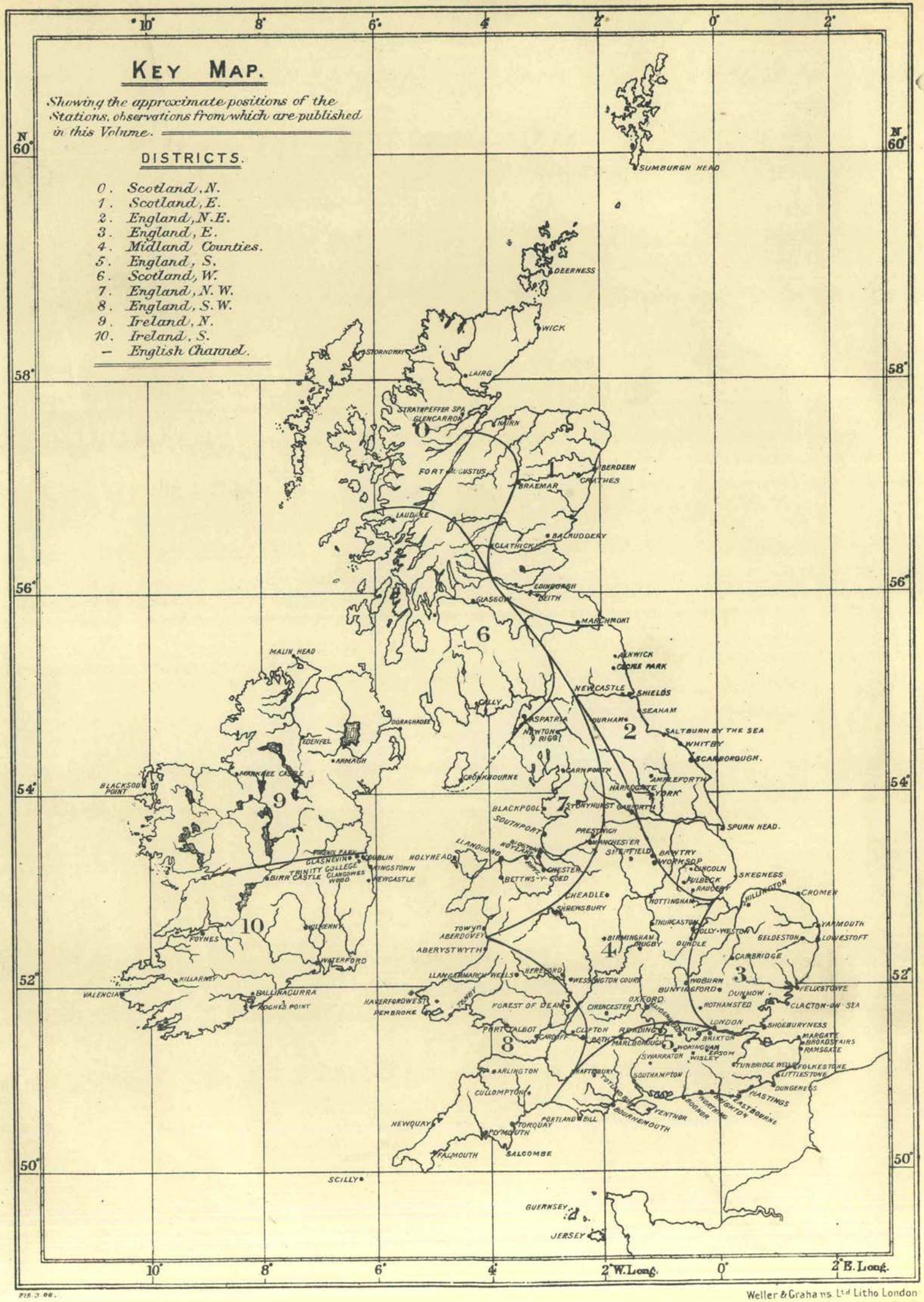
To face Title.



P15.3.06.

Weller & Grahams Ltd Litho London

No. 173.

[*All Rights Reserved.*]

THE

WEEKLY WEATHER REPORT

OF THE

METEOROLOGICAL OFFICE

FOR THE YEAR

1905

(VOL. XXII.—NEW SERIES)

CONTAINING

SYNOPTIC CHARTS,

AND

DESCRIPTIVE SUMMARIES OF THE WEATHER FOR EACH DAY;

ALSO

TABULAR SUMMARIES OF TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE, FOR EACH WEEK,

WITH MONTHLY AND ANNUAL SUPPLEMENTS, FOUR APPENDICES AND FRONTISPIECE MAP.

METEOROLOGICAL OFFICE
SUPPLIED TO THE PUBLIC SERVICE
LIBRARY

Published by the Authority of the Meteorological Committee.

LONDON:
PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE.
By DARLING & SON, Ltd., 34-40, Bacon Street, E.

And to be purchased, either directly or through any Bookseller, from
WYMAN and SONS, Ltd., Fetter Lane, E.C.,
or OLIVER & BOYD, Edinburgh;
or E. PONSONBY, 116, Grafton Street, Dublin.

1906.

CONTENTS.

PAGE.

FRONTISPIECE MAP - - - - - - - - - - to face Title.

PREFACE - - - - - - - - - - - [iii]

LIST OF VOLUNTEER OBSERVERS - - - - - - - - - [viii]

TABLES OF ADDITIONS AND CORRECTIONS - - - - - - - - [ix]

WEEKLY REPORTS - - - - - - - - - - 1

MONTHLY SUMMARIES, FOR EACH STATION, WITH PLATES - - - - - i

ANNUAL SUMMARY, FOR EACH STATION, WITH PLATES - - - - - xcvii

APPENDICES :

I.—Summaries for each *District* for 1905, showing—

a. Rainfall,

Rain-Days and

Mean Temperature—for each Quarter and for the Year, and—for the purposes of comparison—for corresponding periods from 1866 ;

b. Dates of the—

Driest and Wettest, and

Coldest and Warmest corresponding periods since 1866 ;

c. Rain-Days,

Rainfall,

Accumulated Temperature above 42° F.,

Accumulated Temperature below 42° F.,

Bright Sunshine—Duration, and

Bright Sunshine—Percentages, for

periods of four weeks or five weeks with the progressive values from the beginning of the year - - - - - - - - cv

II.—Weekly and Progressive Values for each *District* for 1905 of the different elements, namely :—

Rain-Days,

Rainfall,

Accumulated Temperature above 42° F.,

Accumulated Temperature below 42° F.,

Bright Sunshine—Duration,

Bright Sunshine—Percentage - - - - cxv

III.—Weekly and Progressive Values for each *District* for the Lustrum 1901–1905, and for the period of 25 years 1881–1905, of the different elements, namely :—

Rain-Days,

Rainfall,

Accumulated Temperature above 42° F.,

Accumulated Temperature below 42° F.,

Bright Sunshine—Duration,

Bright Sunshine—Percentage - - - - cxxi

IV.—Showing for each *District* the average Temperature of the Air in each week of the year for the Lustrum 1901–1905, and for the period of 25 years 1881–1905 cxlv

1237

PREFACE.

IN the Weekly Weather Report for 1905 the general arrangement of the weekly Remarks and Tabular matter is unaltered. These will be found on the first, second, and sixth pages of each Report. The Daily Charts cover the same area as those for last year, viz.: nearly the whole of Europe and the greater part of the Mediterranean.

The Monthly and Annual Summaries now contain results of the observations made at 150 to 153 stations in the British Islands, the Annual Summary being again included.

Appendices I. and II. are published, as hitherto—the former with some slight modification since 1891.

Appendices III. and IV., which are published every five years, are also included in this Volume.

DISTRICTS AND STATIONS.

For the purposes of this Report the United Kingdom is divided into eleven Districts, which are shown on the frontispiece map, distinguished by the numbers 0 to 10. There are in addition five stations in the Islands in the English Channel, viz., Scilly (St. Mary's), Jersey (St. Aubin's and St. Heliers), and Guernsey (St. Peter Port, Villa Carey, and Fort Road), which cannot be conveniently placed in any of the Districts. The positions of the stations supplying information are marked on the map by black dots, and their names are given in the following list, arranged under the districts to which they belong :—

District.	County.	Station.
0. SCOTLAND, N.	Caithness	Wick.
	Cromarty	Strathpeffer Spa.
	Inverness	Fort Augustus.
	Orkney	Deerness.
	Ross	Glencarron.
	"	Stornoway.
	Shetlands	Sumburgh Head.
	Sutherland	Lairg.
1. SCOTLAND, E.	Aberdeen	Aberdeen.
	"	Braemar.
	Berwick	Marchmont.
	Edinburgh	Edinburgh.
	"	Leith.
	Forfar	Balruddery.
	Kincardine	Crathes.
	Nairn	Nairn.
	Perth	Clathick.
2. ENGLAND, N.E.	Durham	Durham.
	"	Seaham.
	Lincoln	Lincoln.
	"	Fulbeck.
	"	Rauceby.
	"	Skegness.
	Northumberland	Alnwick Castle.
	"	Cockle Park.
	"	Shields.
	"	Newcastle-on-Tyne.
	York	Ampleforth.
	"	Saltburn-by-the-Sea.
	"	Scarborough.
	"	Spurn Head.
	"	Whitby.
	"	York.
3. ENGLAND, E.	Cambridge	Cambridge.
	Essex	Clacton-on-Sea.
	"	Dunmow.
	"	Shoeburyness.
	Hertford	Buntingford.
	"	Rothamsted.
	Norfolk	Cromer.
	"	Geldeston.
	"	Hillington.
	"	Yarmouth.
	Suffolk	Felixstowe.
	"	Lowestoft.
4. MIDLAND COUNTIES.	Bedford	Woburn.
	Gloucester	Cirencester.
	Hereford	Hereford.
	"	*Wessington Court.
	Leicester	*Thurcaston.
	Shropshire	Shrewsbury.
4. MIDLAND COUNTIES—*cont.*	Northampton	Colly Weston.
	"	Oundle.
	Nottingham	Bawtry.
	"	Nottingham.
	"	Worksop.
	Oxford	Oxford.
	Stafford	Cheadle.
	Warwick	Birmingham.
	"	Rugby.
	York	Garforth.
	"	Harrogate.
	"	Sheffield.
5. ENGLAND, S.	Berkshire	Maidenhead.
	"	Reading.
	"	Wokingham.
	Dorset	Portland Bill.
	"	Shaftesbury.
	Hampshire	Bournemouth.
	"	Southampton.
	"	Swarraton.
	"	Totland Bay.
	"	Ventnor Hospital.
	Kent	Broadstairs.
	"	Dungeness.
	"	Folkestone.
	"	Littlestone-on-Sea.
	"	Margate.
	"	Tunbridge Wells.
	"	Ramsgate.
	Middlesex	London (City).
	"	" (Westminster).
	Surrey	Epsom.
	"	Kew.
	"	London (Brixton).
	"	Wisley.
	Sussex	Bognor.
	"	Brighton.
	"	Eastbourne.
	"	St. Leonards.
	"	Worthing.
	Wiltshire	Marlborough.
6. SCOTLAND, W.	Argyll	Laudale.
	Cumberland	Aspatria.
	Isle of Man	Cronkbourne.
	Kirkcudbright	Cally.
	Lanark	Glasgow.
7. ENGLAND, N.W., AND N. WALES.	Cheshire	Chester (Hawarden Bridge).
	"	Hoylake.
	"	Liverpool (Bidston).
	Cumberland	Newton Rigg.

* Station now discontinued.

375 Wt 82 4/06 D & S 23 24332

District.	County.	Station.
7. ENGLAND, N.W., AND N. WALES —*cont.*	Lancashire	Blackpool.
	,,	Carnforth.
	,,	Manchester (Whitworth Park).
	,,	,, (Prestwich).
	,,	Southport.
	,,	Stonyhurst.
	Anglesey	Holyhead.
	Carnarvon	Bettws-y-Coed.
	,,	Llandudno.
	Flint	Rhyl.
	Merioneth	Aberdovey.
	,,	Towyn.
8. ENGLAND, S.W., AND S. WALES.	Brecknock	Llangammarch Wells.
	Cardigan	Aberystwyth.
	Glamorgan	Cardiff.
	,,	Port Talbot.
	Pembroke	Haverfordwest.
	,,	Pembroke.
	,,	Tenby.
	Cornwall	Falmouth.
	,,	Newquay.
	Devon	Arlington.
	,,	Cullompton.
	,,	Plymouth.
	,,	Salcombe.
	,,	Torquay.
	Gloucester	Clifton.
	,,	Forest of Dean :— Ruardean, 900 ft. Whitemead, 200 ft.
	Somerset	Bath.

District.	County.	Station.
9. IRELAND, N.	Armagh	Armagh.
	Donegal	Malin Head.
	Down	Donaghadee.
	Mayo	Blacksod Point.
	Sligo	Markree Castle.
	Tyrone	Edenfel.
10. IRELAND, S.	Cork	Ballinacurra.
	,,	Roche's Point.
	Dublin	Dublin (City).
	,,	,, (Phœnix Pk.).
	,,	,, (Glasnevin).
	,,	,, (Trin. Coll.).
	,,	Kingstown.
	Kerry	Killarney.
	,,	Valencia.
	Kildare	Clongowes Wood College.
	Kilkenny	Kilkenny Castle.
	Kings County	Birr Castle.
	Limerick	Foynes.
	Waterford	Waterford.
	Wicklow	Newcastle.
CHANNEL ISLANDS.	Channel Islands	Guernsey (Villa Carey).
	,,	,, (Fort Road).
	,,	Jersey (St. Aubin's).
	,,	,, (St. Heliers).
	Scilly Islands	Scilly (St. Mary's).

The list for 1905 differs from that for 1904 by the omission of six stations and the addition of eight stations, thus :—

District.	County.	Station.	——
Omissions.			
0. SCOTLAND, N.	Inverness	Fort William	Observations suspended.
1. SCOTLAND, E.	Perth	Ochtertyre	Observations discontinued.
4. MIDLAND COUNTIES	York	Ackworth	——
5. ENGLAND, S.	Kent	Chatham	Observations discontinued.
	Surrey	Bramley	,, ,,
	Sussex	Westbourne	Suspended.
Additions.			
1. SCOTLAND, E.	Perth	Clathick	In place of Ochtertyre.
2. ENGLAND, N.E.	York	Saltburn-by-the-Sea	Sunshine values only included in the Weekly Reports.
5. ENGLAND, S.	Kent	Folkestone	Monthly results only.
	Surrey	Epsom	,, ,,
7. ENGLAND, N.W.	Lancashire	Carnforth	,, ,,
	Merioneth	Towyn	,, ,,
8. ENGLAND, S.W.	Devon	Salcombe	Monthly results (sunshine) only.
10 IRELAND, S.	Kildare	Clongowes Wood College	Monthly results only.

WEEKLY REPORT.

The general arrangement of the weekly issues of the Report is as follows :—

I. Weekly Summary, arranged under *Districts*.
II. Weekly Summary arranged under *Stations*.
III. Daily Charts.
IV. General Notes, &c.

The information given under each of these heads may be summarised as follows :—

I. *Weekly Summary*.—The Tabular Summary on the first page of each Report gives for the week and for each *District* :—

Temperature.—The absolute highest and lowest observed, the average maximum, the average minimum, the average *daily temperature*, and its difference from the mean for the corresponding period as derived from observations extending over the 30 years 1871–1900. The values for "accumulated temperature" above 42° F. and below 42° F. for the week and for the period from the beginning of the year, and the differences from the mean values for the corresponding periods as derived from observations extending over the 20 years 1881–1900.

Rainfall.—The total fall and the number of rain-days for the week, and for the part of the year to date, together with the differences from average for the corresponding periods based on observations from 1866–1900.

Bright Sunshine.—The number of hours of sunshine recorded, and the percentage ratio of that time to the whole time during which the sun was above the horizon : also the progressive values reckoned from the commencement of the year, together with the differences between these values and the means for the corresponding periods in the 20 years 1881 to 1900.

General Remarks on the weather for the week.

II. *Weekly Summary*.—This appears on the second page in each weekly issue and contains the data used in the preparation of the Summaries on the first page, the values being set out for each *Station*. The information given for each station is in nearly the same form as that presented for each District in I.

III. *Daily Charts*.—These are three in number for each day, and they show the distribution of pressure and wind over the whole of Europe at 8 a.m. and 6 p.m., and the temperature, weather, and sea disturbance at 8 a.m. each day. The maps are accompanied by a brief account of the weather conditions for the day, and the changes that had taken place since the previous day.

IV. *General Notes, &c.*—The General Notes give a brief but comprehensive account of the weather changes over Europe for the period under review. Under this heading also are printed the results, as far as regards Bright Sunshine, from a number of additional stations.

The following Rules are observed in compiling the Tables and preparing the Daily Charts :—

(1.) Daily Mean Temperature.

The daily Mean Temperature shown in the Tables in the *Weekly* Reports is calculated from the mean between the daily maxima and minima, due regard being had for the varying relation found to subsist, from month to month, between the true mean temperature of the day derived from 24 hourly observations, and the means of the daily maxima and minima for a series of years, as recorded at Greenwich and at the self-registering Observatories of the Meteorological Council.

The approximate Mean Daily Temperature for any week is found by multiplying the *difference* between the means of the seven observed maxima and minima by the proper coefficient for the month (shown in the following Table), and adding the product to the mean of the minima :—

Months.	Coefficient.
January. December.	0·520
February. November.	0·500
March. October.	0·485
April. September.	0·476
May. August.	0·470
June. July.	0·465

Example :

The mean maximum temperature for a week in December being - -	48°·1
The mean minimum - - - - - - - - - - - - - -	39°·3
The difference is- - - - - - - - - - - - - -	8°·8

This difference 8·8 × ·520 (the coefficient for December) = 4·6.

This value when added to the mean minimum (39·3) gives 43°·9, the required mean daily temperature of the week.

(2.) Accumulated Temperature.

The Tables of Accumulated Temperature are designed to give persons engaged in agriculture better means of estimating the manner in which vegetation is affected by temperature than that afforded by the more usual methods of treating the readings of the thermometer. They show for each *Station* and for each *District* for each week, and for the *Districts*, for the whole period from the commencement of the year, the weekly and progressive values, respectively, of the combined amount and duration of the excess or defect of the air temperature, above or below a suitably fixed standard, or *base temperature*. The base adopted is 42° F., as being nearly equivalent to 6° C. This has been considered by Continental writers on these subjects to be the critical value, the temperature above which is mainly effectual in starting and maintaining the growth, and in completing the ripening, of agricultural crops in a European climate. This base is also convenient as being 10° F. above the freezing point on the Fahrenheit scale.

The Accumulated Temperature is expressed in "Day-degrees,"—a Day-degree signifying 1° F. of excess or defect of temperature above or below 42° F. continued for 24 hours, or any other number of degrees for an inversely proportional number of hours.

When the temperature during any period remains either wholly above or below the base temperature, the difference between the base and the mean temperature of the day gives the correct accumulated temperature. In other cases this difference gives only an approximate value for the accumulated temperature, not departing

greatly from the truth—the deviation depending on the greater or less extent of the variations of the temperature above or below the base. Further, since the mean between the maximum and minimum of any day is nearly equal to the mean temperature of the day, the difference of the mean of the maximum and minimum from the base will also give, directly, an approximation to the accumulated temperature for the day.

The following rules, however, supply a still closer approximation to the true values sought, and they have been adopted for the preparation of the Tables in this Report. They may be applied to any other base temperature as well as to 42° F., with the slight modification of the numerical coefficients mentioned below.

RULES for computing, for a WEEKLY PERIOD, from the observed MAXIMA and MINIMA, the ACCUMULATED TEMPERATURE above or below 42° F.

1. Obtain the mean temperature, from the means of the seven observed maxima and minima, in the manner already described for daily values.

2. In obtaining the accumulated temperature four cases may occur, to which the following rules will apply :—

Conditions of Temperature.	To obtain the daily Accumulated Temperature.	
	Above 42° F.	Below 42° F.
If the minimum is *above* 42° F. or *equal* to 42° F. -	Subtract 42° F. from the mean.	There is none.
If the minimum is *below* 42° F., but the mean for the day is *above* 42° F.	From the difference between the mean for the day and the minimum deduct the accumulated temperature below 42° F., calculated as stated in the next column.	The required quantity is the excess of 42° F. over the minimum, multiplied by the co-efficient 0·4.
If the mean for the day is *below* 42° F., but the maximum is *above* 42° F.	The required quantity is the excess of the maximum over 42° F., multiplied by the co-efficient 0·4.	From the difference between the mean for the day and the minimum deduct the accumulated temperature above 42° F., calculated as stated in the preceding column.
If the maximum is *below* 42° F. or *equal* to 42° F. -	There is none.	Subtract the mean from 42° F.

In each of the above cases the result will be the *average daily* value, and must be multiplied by 7 in order to obtain the value for the whole week.

The coefficient varies with the duration of the period, and also with the base temperature.

The coefficient given above, in cases 2 and 3, is for a weekly period, and for the base temperature 42° F. The following are its values for other base temperatures,—for 32° F., 0·4 ; for 52° F., 0·33 ; for 62° F., 0·25.

A full explanation of the principles on which these rules are based will be found in Appendix II. to the Quarterly Weather Report for 1878.

(3.) DAILY CHARTS.

In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus : ⟿ = a heavy gale ; ⟶ = a gale ; → = a fresh to strong breeze ; ⟶ = a light to moderate breeze ; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows :—b = blue sky ; c = detached clouds ; o = overcast ; m = misty (hazy) ; f = foggy ; q = squally ; r = rain ; h = hail ; s = snow ; l = lightning, and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain ; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway, and Sweden ; at 6.51 a.m. in France and Algeria ; at 6 a.m. in Italy and Austria ; at 5.25 a.m. in Greece ; at 4.59 a.m. in Russia ; and at 8.36 a.m. in Portugal.

The Chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain ; 4 p.m. in Portugal ; 5.25 p.m. in Greece ; 5.51 p.m. in France ; 6.51 p.m. in Algeria ; 6.59 p.m. in Russia ; 7 p.m. in Germany, Holland, Denmark, Norway, and Sweden ; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich time.

MONTHLY AND ANNUAL SUMMARIES.*

The Monthly Summaries have again been considerably enlarged, and for 1905 they comprise results from 150 to 153 stations in the British Islands.

Of the additional stations included for the first time some rank as Normal Climatological Stations, and give full returns of pressure, temperature, humidity, cloud, rainfall, wind, and weather. Others are Climatological, and yield information as to temperature, rainfall, and in some cases sunshine, while others supply only the sunshine record.

The Summary for January, 1905, contained results for 150 stations, whilst that for December comprised returns from 152 stations. The 152 stations in December may be classified thus :—Yielding full returns 55 stations ; results for temperature, rainfall, and in some cases sunshine, 88 stations ; results for sunshine only 9 stations.

Each Monthly Summary includes :—

1. A Plate containing 4 charts, showing—
   - (1.) The Monthly Barometric pressure and Winds based on the 8 a.m. readings.
   - (2.) The Movements of Depressions.
   - (3.) The Distribution of Mean Temperature, and
   - (4.) The Monthly Rainfall.
2. Remarks on the Weather over the British Islands.
3. Table of results for the month from 55 stations giving full returns.
4. Table of results for the month, as far as available, of the observations of Temperature, Rainfall, and Sunshine, at the remainder of the stations (97 in number in December).

The Annual Summary gives corresponding data for the whole year.

* A special supplement specifying the occasions upon which the hourly wind velocity exceeded 44 statute miles in the hour at the anemographic stations in connexion with the Office has been prepared in continuation of similar tables hitherto published in the Annual Report of the Meteorological Council. It may be had on application to the Meteorological Office.

APPENDICES.

Appendix I.—This contains for each of the eleven *Districts* and for the English Channel :—

1. Summaries for each Quarter and for the Year, of the Temperature and Rainfall records, with similar information for the past years of the period of 40 years, 1866–1905.

2. Tables giving for 1905, *for periods of* 4 *weeks and* 5 *weeks*, the progressive numbers of—

   Rain-Days.
   Rainfall.
   Accumulated Temperature above 42° F.
   Accumulated Temperature below 42° F.
   Bright Sunshine,—Duration, and
   Bright Sunshine,—Percentage.

Appendix II.—This contains for each of the eleven *Districts* and for the English Channel :—

Tables giving for 1905 the *weekly* and *progressive* values of—

   Rain-Days.
   Rainfall.
   Accumulated Temperature above 42° F.
   Accumulated Temperature below 42° F.
   Bright Sunshine,—Duration, and
   Bright Sunshine,—Percentage.

Appendix III.—This contains for each of the eleven *Districts* and for the English Channel :—

Tables giving for the *lustrum* 1901–1905, and for the period of 25 years 1881–1905, the *weekly* and *progressive* values of—

   Rain-Days.
   Rainfall.
   Accumulated Temperature above 42° F.
   Accumulated Temperature below 42° F.
   Bright Sunshine,—Duration, and
   Bright Sunshine,—Percentage.

Appendix IV.—This contains for each of the eleven *Districts* and for the English Channel :—

A Table showing the average Temperature of the Air in each week of the year for the *lustrum* 1901–1905, and for the period of 25 years 1881–1905.

Tables showing for each degree of Latitude from 49° *N. to* 58° *N., and for each Weekly and Four-Weekly or Five-Weekly period, the total numbers of hours during which the Sun is above the Horizon, together with their Reciprocals, are given in the Preface to The Weekly Weather Report for* 1884, *while similar information for the Calendar Months is given in the Preface to The Monthly Weather Report for* 1884.

THE following is a LIST of the VOLUNTEER OBSERVERS to whom the Council are indebted for observations contributed to the WEEKLY WEATHER REPORT and published either in the Weekly Issues or in the Monthly Summaries during 1905, together with the NAMES and ALTITUDES of their STATIONS :—

Names of Stations.	Altitude above Mean Sea Level.	Names of Observers.
	Feet.	
Aberdovey	—	Capt. J. Edwards., R. Griffith, and W. Eves.
Aberystwyth	—	Dr. A. Thomas, for the District Council.
Alnwick Castle	210	Robert Kyle, for the Duke of Northumberland, K.G.
Ampleforth	349	Rev. J. B. MacLaughlin, B.A., O.S.B.
Arlington (N. Devon)	613	Lady Chichester.
Armagh	196	J. L. E. Dreyer, Ph.D., and Staff of Observatory.
Aspatria	250	J. Smith Hill, B.A., B.Sc.
Ballinacurra	28	John H. Bennett.
Balruddery	280	R. Cairns, for J. White.
Bawtry (Hesley Hall).	65	B. I. Whitaker, J.P., F. R. Met. Soc.
Bath	66	W. H. Symons, M.D., for the Corporation.
Bettws-y-Coed	101	D. Macdonogh, M.D., and Hugh W. Fox, M.D.
Birmingham (Edgbaston).	534	Alfred Cresswell, for the Midland Institute.
ℳ Blackpool	62	F. J. H. Coutts, M.D., for the Corporation.
Bognor	14	H. C. L. Morris, M.D., and A. G. Thompson.
Bournemouth	—	C. Dales, for the Corporation.
$ Braemar	1,111	J. Aitken, J.P.
Brighton	65	A. Newsholme, M.D., for the Corporation.
Broadstairs	—	W. H. White, for the District Council.
Buntingford	333	Dr. G. M. Smith.
$ Cally	46	W. Thomson, for H. G. Murray Stewart.
Cambridge	83	R. Irwin Lynch, for the Botanic Garden Syndicate.
Cardiff	—	E. Walford M.D., for the Corporation.
Carnforth	174	W. Farrer.
ℳ Cheadle	646	J. C. Philips, J.P.
Chester (Hawarden Bridge).	22	F. B. Summers.
Cirencester	446	Prof. G. T. Locke, M.A., for the R. A. College.
Clacton-on-Sea	54	A. W. Shadick, for the Town Council.
$ Clathick	300	Alexander Hendry.
Clifton	230	D. Rintoul, M.A.
Clongowes Wood College.	237	Rev. W. P. Hackett, S.J.
Cockle Park, near Morpeth.	324	A. G. Birt, for Northumberland County Council.
Colly Weston	280	Miss Amy Tasker.
Crathes	145	J. Smith, F. R. Met. Soc.
Cromer	196	W. H. Archer, for the District Council.
Cronkbourne, Douglas.	137	A. W. Moore, M.A., C.V.O., J.P.
ℳ Cullompton	202	T. Turner, J.P., F. R. Met. Soc.
Deerness	160	M. Spence.
Douglas, Isle of Man	137	*See* Cronkbourne.
Dublin (City)	47	Sir John W. Moore, M.D., F. R. Met. Soc.
„ (Glasnevin)	67	F. W. Moore, M.R.I.A.
„ (Phœnix Park)	155	Col. Meeres, R.E., and Major R. U. H. Buckland, R.E.
„ (Trinity College).	—	Arthur R. Moore and Maurice S. Moore,
Dunmow	297	Thomas Hacking, A.Sc., for the Countess of Warwick's Agricultural School.
Durham	336	Prof. R. A. Sampson, M.A., F.R.S.
Eastbourne	39	R. Sheward and S. R. Henderson, for the Corporation.
Edenfel (Omagh)	300	Col. Buchanan, C.B., F. R. Met. Soc.
* Edinburgh	253	Regius Keeper, Botanic Gardens.
Epsom	160	S. C. Russell.
Felixstowe	76	F. Mills, for the Urban District Council.
Folkestone	—	A. E. Nichols, C.E., for the Corporation.
Forest of Dean	200	Phillip Bayliss.
Forest of Dean	900	„ „
$ Fort Augustus	68	Rev. C. von Dieckhoff.
Foynes	108	W. H. Ward, for Lord Monteagle, K.P.
Fulbeck	185	Rev. Vere F. Willson, M.A.
Garforth	195	Prof. Seton, for the Yorkshire College, Leeds.
Geldeston	37	E. T. Dowson, F. R. Met. Soc.
Glasgow	180	Staff of Observatory.
$ Glencarron	489	D. D. Munro, for Lord Maclaren.
Guernsey (Villa Carey).	180	F. E. Carey, M.D., F. R. Met. Soc.
Guernsey (Fort Road).	295	A. Collenette, F. R. Met. Soc.
Harrogate	476	G. Paul, F. R. Met. Soc., for the Corporation.
Hastings (St. Leonards).	178	H. Colborne, M.R.C.S., for the Corporation.
* Haverfordwest	—	J. W. Phillips.
ℳ Hereford (Belmont).	291	Canon T. B. Harrington, O.S.B.
ℳ Hillington	88	Rev. H. E. B. Ffolkes, M.A., F. R. Met. Soc.
* Hoylake	30	Tom Robinson, for Urban District Council.
* Jersey (St. Heliers)	—	Commanding Officer, Fort Regent.
Kilkenny Castle	212	H. Carlton, for the Marquis of Ormonde, K.P.
Killarney	174	E. W. Griffin, M.D.
Kingstown	—	Dr. J. B. Power, for the Corporation.
$ Lairg	335	Rev. J. K. Maclean.
Laudale	14	J. A. Fletcher, for T. H. G. Newton, M.A.
Lincoln	65	S. R. Moss, for the Corporation.
Littlestone-on-Sea	—	H. T. Tubbs.
ℳ Llandudno	72	W. Little, for Town Council.
Llangammarch Wells.	550	W. Black Jones, M.D.
* London (Bunhill Row).	80	Messrs. De la Rue.
* London (Westminster).	—	J. H. Cowham.
Lowestoft	84	C. W. Edwards, F. R. Met. Soc., for the Corporation.
Maidenhead	99	G. H. Palmer.
Manchester (Whitworth Pk.).	—	Prof. Schuster, Ph.D., F.R.S.
$ Marchmont	498	J. A. Wood, for Sir H. P. Campbell, Bt.
Margate	83	J. Stokes, J.P., F. R. Met. Soc.
Markree Castle	122	J. R. Armstrong, for the trustees of *the late* Col. Cooper, F.R.A.S.
Marlborough	424	J. C. Alsop.
Newcastle-on-Tyne.	152	N. H. Martin, F.C.S., F.R.S.E.
Newcastle (Wicklow).	256	B. H Steede, M.A., M.D.
Newquay	250 ?	C. C. Vigurs, B.A., M.D., for Urban Council.
Newton Rigg	559	W. T. Lawrence, for the Cumberland County Council.
Nottingham	82	J. Brown, A.M.I.C.E., City Engineer.
Oundle	144	J. O. Morris and W. T. Kitching, for the Headmaster.
Oxford	202	A. A. Rambaut, M.A., F.R.S.
Plymouth	116	H. Victor Prigg, A.M.I.C.E., for the Corporation.
Port Talbot	179	G. Lipscombe, for Miss Talbot.
Prestwich	320	T. R. H. Clunn, M.D., F. R. Met. Soc.
* Ramsgate	—	T. J. Taylor, C.E., for the Corporation.
Rauceby Hall	125	J. Hope, for General Sir M. Willson, K.C.B.
Reading	261	John Ridges, M.A.
Rothamsted	368	The Lawes Agricultural Trust.
Rhyl	30	A. A. Goodall C.E., for District Council.
Rugby	379	O. M. Samson, M.A., for the Rugby Nat. Hist. Soc.
* Salcombe	—	W. Barrington Prowse, M.D.
Saltburn by-the-Sea.	116	J. Allen Bennett, M.D. and Pearson Bros.
ℳ Scarborough	62	W. W. Larkin, for the Corporation.
Seaham	148	G. H. Aird.
ℳ Shaftesbury	722	Rev. F. Ehlvers.
Sheffield	429	F. Howarth, F.R.A.S.
Shoeburyness	18	Asst. Supt. of Experiments.
Shrewsbury	191	Capt. Manser, R.E.
Southampton	78	A. Vaughan, R.E., for Director General, Ordnance Survey.
Southport	37	J. Baxendell, F. R. Met. Soc.
Stonyhurst	375	Staff of Observatory.
Strathpeffer Spa	253	R. Fortescue Fox, M.D.
ℳ Swarraton	310	Rev. W. L. W. Eyre, M.A., F. R. Met. Soc.
* Tenby	79	R. J. Truscott, for the Corporation.
Thurcaston	253	*The late* Rev. T. A. Preston, M.A., F. R. Met. Soc.
* Torquay	286	F. March, for the Corporation.
Totland Bay	84	J. Dover, M.A., F. R. Met. Soc.
ℳ Tunbridge Wells	419	F. G. Smart, M.A., M.B., F. R. Met. Soc.
Towyn	10	E. Lewys Lloyd, M.D.
Ventnor Hospital	80	C. Lewis, M.B., and Miss M. Gibson.
Waterford	100	J. N. White.
Wessington Court,	439	S. Lomas, for Miss L. Grafton.
Whitby	88	T. Newbitt.
Wisley	150	The Superintendent, for the Roy. Hort. Society.
Woburn	291	H. M. Freear, F.C.S., for the Royal Agricultural Society.
Wokingham	219	Dr. Stevenson.
* Worksop	56	H. Mellish, J.P., F. R. Met. Soc.
* Worthing	38	The Corporation.
York (Museum)	56	Oxley Grabham, M.A., for the York Phil. Soc.
* York (Bootham)	106	H. Richardson, M.A.

Stations marked "ℳ" report through the Royal Meteorological Society ; those marked "$" through the Scottish Meteorological Society.

NOTE.—The heights given are, as far as possible, those of the ground on which the rain-gauge stands. [taken as those of the Sunshine Recorders above the Sea.
* Where a station is prefixed by a star it indicates that the information published in this Volume is for Sunshine only. In these cases the heights given may be

ADDITIONS AND CORRECTIONS.

1.—ADDITIONS: Reports received too late for insertion in their proper places, in continuation of the lists published in the Weekly Reports.

ADDITIONS.—The values shown below must be inserted under the proper headings on the pages shown.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.)								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 50, page 296	Cirencester	46	25	43·7	30·4	37·3	- 1·2	5	44	0	†0·02	- 0·62	10·4	+ 1·0	20	+ 2
No. 51, page 302	Liverpool	—	—	—	—	—	—	—	—	—	—	—	13·2	—	26	—
" " 306	York	—	—	—	—	—	—	—	—	—	—	—	3·8	- 1·7	8	- 3
" " "	Dunmow	—	—	—	—	—	—	—	—	—	—	—	9·2	—	17	—
" " "	Sheffield	—	—	—	—	—	—	—	—	—	—	—	4·2	—	8	—
" " "	Marlborough	—	—	—	—	—	—	—	—	—	—	—	4·0	- 4·0	8	- 8
" " "	Rhyl	—	—	—	—	—	—	—	—	—	—	—	16·6	—	33	—
No. 52, page 308	Laudale	49	30	46·2	33·3	40·0	- 0·4	12	35	1	0·09	- 1·98	—	—	—	—
" " "	Llandudno	53	37	46·8	40·0	43·5	+ 1·9	19	6	3	0·07	- 0·60	13·5	+ 5·0	27	+10
" " 312	Saltburn-by-the-Sea	—	—	—	—	—	—	—	—	—	—	—	7·3	—	15	—
" " "	Dunmow	—	—	—	—	—	—	—	—	—	—	—	4·3	—	8	—

2.—CORRECTIONS TO THE TABLES IN THE WEEKLY REPORTS.

NOTE.—Corrections are not included in this list unless the values as published are altered by at least 0°·5 in the case of Mean Temperature, and 4° in the case of Extreme Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.

I.—CORRECTIONS to Weekly Summaries for Districts. The values shown below must be substituted for those which have already appeared.

Page.	DISTRICTS.	Temperature.						Rainfall.			Bright Sunshine.			
		Highest.	Lowest.	Mean Max.	Mean Min.	Daily Mean.	Above or Below.	No. of Days.	Total Fall.	More or Less.	Hours.	Difference.	Percentage.	Difference.
No. 1, page 1	**1.** Scotland, E.	—	—	—	—	—	—	—	2	—	—	—	—	—
No. 7, page 37	**0.** Scotland, N.	—	—	—	—	—	—	—	19	10 more	—	—	—	—
No. 8, page 43	**4.** Midland Counties	49	—	41·9	—	36·9	—	—	—	—	—	—	—	—
No. 9, page 49	**1.** Scotland, N.	—	—	—	—	—	—	—	9	0 (average)	—	—	—	—
No. 11, page 61	**10.** Ireland, S.	—	—	—	—	—	—	—	15	8 more	—	—	—	—
No. 12, page 67	**7.** England, N.W.	—	—	—	38·4	—	—	—	—	—	—	—	—	—
No. 14, page 79	**2.** England, N.E.	—	—	—	—	—	—	—	4	0 (average)	—	—	—	—
" "	**4.** Midland Counties	—	—	—	—	—	—	—	5	1 more	—	—	—	—
No. 16, page 91	**2.** England, N.E.	—	—	—	—	—	—	—	—	—	13	- 22	14	- 22
" "	**8.** England, S.W.	—	—	—	—	—	—	—	—	—	21	—	—	- 20
No. 18, page 103	**7.** England, N.W.	—	—	—	—	—	—	—	7	—	—	—	—	—
" "	**10.** Ireland, S.	—	—	—	—	—	—	—	7	1 more	—	—	—	—
No. 19, page 109	**0.** Scotland, N.	—	—	—	—	—	—	—	?7	—	—	—	—	—
No. 22, page 127	**8.** England, S.W.	—	—	—	—	—	—	—	—	—	42	—	37	—
No. 25, page 145	**7.** England, N.W.	—	—	—	—	—	—	—	9	—	—	—	—	—
No. 28, page 163	**7.** England, N.W.	—	49	—	58·2	—	—	—	—	—	—	—	—	—
" "	**9.** Ireland, N.	—	—	—	—	—	—	—	4	3 less	—	—	—	—
No. 30, page 175	**5.** England, S.	—	—	—	—	—	—	—	2	—	—	—	—	—
No. 34, page 199	**7.** England, N.W.	—	—	—	—	—	—	—	14	6 more	—	—	—	—
No. 36, page 211	**8.** England, S.W.	—	—	—	—	—	—	—	—	—	28	- 9	30	- 10
No. 39, page 229	**1.** Scotland, E.	—	—	—	—	—	—	—	—	—	15	—	19	—
No. 41, page 241	**0.** Scotland, N.	—	—	—	—	—	—	6	9	—	—	—	—	—
No. 43, page 253	**2.** England, N.E.	—	—	—	—	—	—	—	7	1 more	—	—	—	—
No. 45, page 265	**8.** England, S.W.	—	—	—	—	—	—	—	13	—	—	—	—	—
No. 47, page 277	**2.** England, N.E.	52	—	44·5	—	38·5	—	—	—	—	—	—	—	—
" "	— Channel Islands	—	—	—	—	—	—	—	—	—	13	- 2	22	- 4
No. 48, page 283	**3.** England, E.	—	—	—	—	—	—	—	—	—	10	—	19	—
No. 51, page 301	**7.** England, N.W.	—	—	—	—	—	—	—	—	—	8	—	15	—
No. 52, page 307	**6.** Scotland, W.	—	—	—	—	—	—	—	7	6 less	—	—	—	—
" "	**3.** England, E.	—	—	—	—	—	—	—	—	—	5	—	10	—

II.—CORRECTIONS to Tables of values for individual Stations:—

ERRATA.—The values shown below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

Twenty-Eighth Year. Volume XXII. (New Series). Weekly Issue.	Name of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours Recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 50, page 296	Hillington	—	—	—	—	—	—	—	—	—	0·07	- 0·50	—	—	—	—
" " "	Douglas	—	—	—	38·4	43·4	+ 1·2	25	10	—	—	—	—	—	—	—
" " "	Jersey	—	—	—	—	—	—	—	—	—	0·01	- 0·87	—	—	—	—
" " "	Cromer	—	—	—	—	—	—	—	—	—	—	—	14·6	—	28	—
No. 51, page 302	Clacton	—	—	—	—	—	—	—	—	—	0·01	—	—	—	—	—
" " "	Oxford	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—
" " "	Laudale	—	—	49·6	—	46·0	+ 5·4	28	—	5	2·00	- 0·14	—	—	—	—
" " 306	Worthing	—	—	—	—	—	—	—	—	—	—	—	5·7	—	11	—
No. 52, page 308	Scarborough	—	32	—	35·4	40·2	+ 1·6	—	26	—	—	—	—	—	—	—
" " "	Hereford	—	—	43·2	—	39·7	+ 1·1	3	—	—	—	—	—	—	—	—
" " "	London (Brixton)	—	—	—	—	—	—	—	—	—	—	—	1·3	- 3·5	—	—
" " "	Dungeness	—	—	45·7	—	42·8	+ 2·6	16	—	—	—	—	—	—	—	—
" " "	Shaftesbury	—	—	43·0	—	40·5	+ 3·3	3	16	—	—	—	—	—	—	—
" " "	Aspatria	—	28	—	34·4	39·6	+ 0·9	—	30	—	—	—	—	—	—	—
" " "	Stonyhurst	45	—	41·1	—	37·9	0·0	—	29	—	—	—	—	—	—	—
" " "	Llangammarch Wells	—	—	—	—	—	—	—	—	—	0·30	—	—	—	—	—

3.—CORRECTIONS TO THE TABLES IN THE MONTHLY SUMMARIES.

NOTE.—Corrections to the Temperature values are not included in this list unless the mean as printed is altered by more than 0°·1.

January, p. iv. ... York.—Sunshine. For "38·4, + 8·2, 16, + 4," read "36·7, + 6·5, 15, + 3."

February, p. xiv. ... Lowestoft.—Sunshine. For "91·9, —, 34, —," read "87·0, —, 32, —."
p. xvi. ... Southport.—Rainfall. For "16, 1·30," read "15, 1·24."

March, p. xxiv. ... Kingstown.—Temperature. For "39°·7, 51°·7, 45°·7,—, 29·2, 3rd, 56·5, 22nd and 28th," read "40°·0, 51°·4, 45°·7, —, 29°·5, 3rd, 56°·2, 22nd and 28th."

April, p. xxx. ... Lairg.—Rainfall. For "2·24, — 0·15," read "2·41, + 0°·02."
p. xxxii. ... St. Leonards.—Temperature. Minimum and maximum combined. For "44·6," read "46·6."

May, p. xl. ... Southport.—Rainfall. For "0·21, —, 0·05, 1st and 10th," read "0·31, —, 0·14, 31st."

June, p. xlv. ... Bettws-y-Coed.—Rainfall. For "2·04," read "2·38,"
Weather—No. of days of Rain. For "11," read "12."
p. xlvi. ... Cromer.—Temperature. Mean of Minimum. For "57°·8," read "51°·8."
p. xlviii. Llandudno.—Sunshine. For "237·3, + 38·8," read "234·9, + 36·4."

July, p. liv. ... Saltburn-by-the-Sea.—Rainfall. For "11, 1·14," read "10, 1·13,"

August, p. lxii. ... Geldeston.—Rainfall For "15, 2·60, + 0·59," read "16, 2·72, + 0·71."

September, p. lxix. ... Garforth.—Rainfall. For "0·49, 28th," read "0·49, 27th."
p. lxx. ... Balruddery.—Sunshine. For "130·0, 34," read "131·0, 35."

October, p. lxxvii. ... Garforth.—Rainfall. For "0·34, 16th," read "0·34, 15th."
p. lxxviii. ... Skegness.—Sunshine. For "113·5, —, 35, —," read "111·5, —, 35, —."
Lowestoft.—Temperature. For "40°·1, 50°·8, 45°·5, — 4°·6," read "39°·8, 50°·8, 45°·3, — 4°·8."

November, p. lxxxviii. ... Kingstown.—Rainfall. For "21, 3·17," read "21, 3·47."

December, p. xciii. ... Jersey.—Weather—No. of days of Rain, For "17," read "16."

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* } No. 1. FIRST WEEK, ENDING SATURDAY, JANUARY 7TH, 1905. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

DISTRICTS. (See p. 2.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean	Below 42°	Difference from Mean.
	°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts. 0. SCOTLAND, NORTH	53	30	46·5	37·1	42·0	4 above	13	+ 6	14	−21	13	+ 6	14	− 21
1. SCOTLAND, EAST	53	29	48·2	37·5	43·1	6 above	27	+20	13	−28	27	+ 20	13	− 28
2. ENGLAND, N.E.	54	25	47·2	36·4	42·0	4 above	15	+ 7	16	−20	15	+ 7	16	− 20
3. ENGLAND, EAST	55	20	44·6	34·3	39·6	2 above	7	− 1	30	−10	7	− 1	30	− 10
4. MIDLAND COUNTIES	58	24	47·2	36·4	42·0	4 above	15	+ 5	16	−25	15	+ 5	16	− 25
5. ENGLAND, SOUTH	57	17	46·1	35·6	41·0	2 above	11	− 2	26	− 5	11	− 2	26	− 5
Principal Grazing Districts. 6. SCOTLAND, WEST	52	32	48·0	41·4	44·8	6 above	22	+11	2	−27	22	+ 11	2	− 27
7. ENGLAND, N.W.	54	27	47·5	40·1	43·9	4 above	21	+11	5	−23	21	+ 11	5	− 23
8. ENGLAND, S.W.	55	28	48·3	40·5	44·6	4 above	25	+ 8	4	−18	25	+ 8	4	− 18
9. IRELAND, NORTH	52	36	49·5	43·6	46·7	6 above	33	+19	0	−25	33	+ 19	0	− 25
10. IRELAND SOUTH	54	36	51·0	44·5	47·9	6 above	41	+20	0	−20	41	+ 20	0	− 20
— CHANNEL ISLANDS	54	25	49·6	41·0	45·5	1 above	29	+ 4	3	− 6	29	+ 4	3	− 6

Rainfall. Bright Sunshine.

DISTRICTS. (See p. 2.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
		10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts. 0. SCOTLAND, NORTH	7	20	9 more	7	+ 2	2·0	+ 0·9	1	− 4	3	− 9	1	− 4	3	− 9
1. SCOTLAND, EAST	4	3	4 less	4	0	0·3	− 0·4	6	− 4	13	− 8	6	− 4	13	− 8
2. ENGLAND, N.E.	3	1	3 less	3	− 1	0·1	− 0·3	7	− 4	13	− 8	7	− 4	13	− 8
3. ENGLAND, EAST	4	2	2 less	4	0	0·2	− 0·2	6	− 4	11	− 8	6	− 4	11	− 8
4. MIDLAND COUNTIES	4	2	4 less	4	0	0·2	− 0·4	5	− 3	10	− 6	5	− 3	10	− 6
5. ENGLAND, SOUTH	4	3	3 less	4	0	0·3	− 0·3	7	− 3	12	− 6	7	− 3	12	− 6
Principal Grazing Districts. 6. SCOTLAND, WEST	7	13	0 (average)	7	+ 2	1·3	0·0	4	− 3	8	− 5	4	− 3	8	− 5
7. ENGLAND, N.W.	6	7	1 less	6	+ 2	0·7	− 0·1	2	− 6	4	−11	2	− 6	4	−11
8. ENGLAND, S.W.	3	5	5 less	3	− 1	0·5	− 0·5	5	− 5	10	− 9	5	− 5	10	− 9
9. IRELAND, NORTH	5	7	2 less	5	0	0·7	− 0·2	1	− 8	3	−15	1	− 8	3	−15
10. IRELAND, SOUTH	4	3	7 less	4	− 1	0·3	− 0·7	3	− 9	5	−17	3	− 9	5	−17
— CHANNEL ISLANDS	4	5	4 less	4	− 1	0·5	− 0·4	9	− 4	15	− 7	9	− 4	15	− 7

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was extremely changeable—cold in the early part of the week, with snow in many parts of England, but afterwards much milder, with rain in all districts.

Temperature was above the mean, the excess ranging from as many as 6° in Ireland and Scotland E. and W. to only 2° in England E. and S., and to only 1° in the Channel Islands. The highest readings were recorded, as a rule, in the latter half of the week, when the thermometer rose to 55° and upwards in most of the English districts, to 57° in England S. (at Southampton), and to 58° in the Midland Counties (at Colly Weston). The lowest readings were recorded on the 1st or 2nd, when sharp frost occurred over the country generally, the sheltered thermometer falling to 25° or less in many parts of England, to 20° in England E., and to 17° in England S.

Rainfall amounted to less than the mean in all districts excepting Scotland W., where the normal was just reached, and Scotland N., where there was a large excess. Heavy falls occurred in the west of Scotland between the 1st and 3rd, and again on the 5th.

Bright Sunshine was considerably less than the average. The percentage of the possible duration ranged from 15 in the Channel Islands and 13 in Scotland E. and England N.E., to 5 in Ireland S., 4 in England N.W., and 3 in Scotland N. and Ireland N.

Barometer and Wind. At the commencement of the week an anticyclone of considerable intensity (maximum pressures, 30·8 ins. and upwards) extended over these Islands from the south of Scandinavia, the wind being from the East or South-East over England, but from the South or South-West in Ireland and Scotland. The anticyclone afterwards moved southwards and decreased in height, and the weather in these Islands came under the influence of large cyclonic systems, which appeared at first over Scandinavia, and afterwards further south over our own extreme northern districts. With these conditions mild South-Westerly and Westerly winds of increasing strength set in over the whole Kingdom, and on the night of January 6th, when a deep depression moved rapidly south-eastwards across the northern and eastern parts of the North Sea, a severe gale from West and North-West prevailed over the northern and eastern parts of the United Kingdom. The gale was accompanied by a very high tide, which caused a considerable amount of damage on the east and south-east coasts of England.

3239 Wy. & S. Ltd.
370 1 | 05

II.—DATA from which the SUMMARY on page 1 has been calculated.

Districts. Jan. 1-7, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head Ⓢ	49	30	43·3	34·3	39·0	− 0·3	4	29	7	2·46	+ 1·53	*	*	*	*
	Stornoway Ⓢ	53	36	49·1	39·4	44·4	+ 5·4	28	7	7	1·37	+ 0·20	1·1	− 5·0	2	− 11
	Wick Ⓢ	52	31	47·1	36·4	42·0	+ 4·0	14	16	7	1·04	+ 0·46	*	*	*	*
	Lairg Ⓢ	50	32	45·7	36·4	41·2	+ 6·4	10	23	7	1·68	+ 0·82	*	*	*	*
	Glencarron Ⓢ	49	32	47·1	37·2	42·4	+ 5·4	23	13	7	4·72	+ 2·44	*	*	*	*
	Fort Augustus Ⓢ	51	34	46·9	38·7	43·0	+ 4·8	21	9	7	0·89	− 0·26	0·3	− 2·6	1	− 6
1. SCOTLAND, E.	Nairn Ⓢ	51	33	49·4	38·1	44·0	+ 6·5	30	11	5	0·34	− 0·13	*	*	*	*
	Aberdeen Ⓢ	52	33	48·4	36·6	42·7	+ 5·0	28	15	4	0·39	− 0·19	3·9	− 6·4	8	− 14
	Braemar Ⓢ	48	30	44·5	35·7	40·3	+ 6·0	7	25	4	0·49	− 0·20	*	*	*	*
	Clathick Ⓢ	53	33	48·7	38·5	43·8	+ 7·0	27	10	4	0·13	− 0·92	*	*	*	*
	Leith Ⓢ	53	35	50·1	40·1	45·3	+ 6·2	31	5	2	0·10	− 0·31	*	*	*	*
	Marchmont Ⓢ	51	29	48·3	35·9	42·4	+ 6·0	28	17	2	0·07	− 0·57	4·3	− 4·1	9	− 8
2. ENGLAND, N.E.	Alnwick Castle	54	31	49·3	35·7	42·8	+ 4·9	32	18	2	0·03	− 0·54	*	*	*	*
	Durham	52	29	47·2	37·9	42·7	+ 5·6	22	11	1	0·02	− 0·48	5·0	− 5·0	10	− 10
	Shields	54	32	49·3	37·1	43·4	+ 4·7	30	14	0	0·00	− 0·44	*	*	*	*
	Scarborough Ⓜ	53	29	48·7	36·8	43·0	+ 4·3	29	15	5	0·22	− 0·30	10·9	—	21	—
	Spurn Head	53	27	45·1	35·7	40·6	+ 1·9	9	26	1	0·03	− 0·34	*	*	*	*
	Lincoln	53	26	45·7	36·3	41·2	+ 3·8	10	24	6	0·30	− 0·10	*	*	*	*
	Fulbeck	52	25	45·0	35·3	40·3	+ 3·7	8	27	6	0·30	− 0·10	4·4	—	8	—
3. ENGLAND, E.	Hillington Ⓜ	52	23	43·3	32·7	38·2	+ 1·4	4	35	5	0·16	− 0·33	8·2	− 1·4	16	− 3
	Yarmouth	52	24	43·4	33·7	38·7	+ 1·0	4	31	4	0·15	− 0·33	*	*	*	*
	Geldeston	53	21	44·8	33·3	39·3	+ 1·3	8	34	4	0·14	− 0·28	5·5	− 5·8	10	− 11
	Cambridge	54	23	45·7	33·8	40·0	+ 2·4	10	33	6	0·32	− 0·04	4·1	− 6·2	8	− 12
	Felixstowe	53	24	44·4	36·7	40·7	+ 2·3	7	21	3	0·17	—	4·3	—	8	—
	Clacton-on-Sea	54	26	44·1	34·6	39·5	+ 0·1	6	28	3	0·15	—	3·2	—	6	—
	Rothamsted	53	20	45·7	34·1	40·1	+ 2·5	10	32	5	0·50	− 0·05	7·0	− 2·7	13	− 5
	Shoeburyness	55	25	45·0	35·6	40·5	+ 1·7	8	26	3	0·33	− 0·03	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	51	28	47·0	36·5	42·0	+ 5·0	14	15	3	0·12	− 0·48	6·0	—	12	—
	Bawtry (Hesley Hall)	—	—	—	—	—	—	—	—	—	—	—	*	*	*	*
	Nottingham	53	26	47·4	36·4	42·1	+ 4·3	24	16	5	0·09	− 0·44	3·6	—	7	—
	Colly Weston (Stamford)	58	25	46·3	34·7	40·7	+ 3·6	12	30	7	0·21	− 0·25	*	*	*	*
	Cheadle Ⓜ	50	26	45·0	36·1	40·7	+ 4·0	8	24	6	0·39	− 0·27	*	*	*	*
	Birmingham (Edgbaston)	53	26	46·5	36·8	41·8	+ 3·7	13	22	4	0·17	− 0·32	3·4		6	—
	Shrewsbury	55	30	49·9	39·4	44·9	+ 6·1	31	7	1	0·03	—	*	*	*	*
	Hereford Ⓜ	53	29	48·1	37·5	43·0	+ 4·5	26	13	3	0·18	− 0·38	*	*	*	*
	Cirencester	55	24	47·3	34·1	41·0	+ 3·3	15	33	5	0·23	− 0·42	6·4	− 3·8	12	− 7
	Oxford	55	25	47·1	36·4	42·0	+ 3·5	14	16	4	0·37	− 0·10	9·0	− 0·9	17	− 2
5. ENGLAND, S.	Westminster	55	26	46·4	36·1	41·5	—	12	25	4	0·46	—	2·3	− 1·3	4	− 2
	London (Brixton)	55	24	45·9	35·0	40·7	+ 1·8	11	29	4	0·38	− 0·08	3·7‡	− 1·3‡	7‡	− 2‡
	Wisley (Surrey)	55	20	45·8	35·3	40·8	+ 1·6	11	28	4	0·18	—	6·3	—	12	—
	Swarraton (Alresford) Ⓜ	53	19	45·4	35·3	40·6	+ 2·8	10	28	3	0·19	− 0·51	*	*	*	*
	Tunbridge Wells Ⓜ	54	17	44·0	33·2	38·8	+ 0·9	6	34	3	0·45	—	5·7	—	10	—
	Dungeness	53	21	47·1	34·4	41·0	+ 1·2	14	32	7	0·43	− 0·02	5·1	—	9	—
	Hastings (St. Leonards)	54	21	45·6	34·0	40·0	+ 0·2	10	32	5	0·49	− 0·15	6·5	− 6·3	12	− 12
	Southampton	57	25	48·4	36·9	42·9	+ 2·9	28	14	4	0·08	− 0·62	11·8	+ 0·6	22	+ 1
	Portland Bill	52	32	48·0	40·9	44·6	+ 2·9	23	3	4	0·14	—	*	*	*	*
	Shaftesbury Ⓜ	50	24	44·4	35·1	39·9	+ 2·7	7	27	3	0·28	− 0·42	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	51	38	49·3	41·7	45·9	+ 5·6	29	1	7	2·91	+ 0·94	*	*	*	*
	Glasgow	52	37	48·2	41·3	44·9	+ 6·4	23	2	6	0·56	− 0·34	2·1	− 2·5	4	− 6
	Cally Ⓢ	51	36	47·1	40·8	44·1	+ 5·6	20	3	7	1·89	+ 0·76	*	*	*	*
	Aspatria	50	32	46·1	39·8	43·1	+ 5·3	17	6	6	0·32	—	2·6	—	5	—
	Douglas (Isle of Man)	52	39	48·9	43·3	46·2	+ 5·3	29	0	7	0·75	− 0·26	7·4	− 2·9	15	− 6
7. ENGLAND, N.W.	Newton Rigg	50	27	45·7	37·0	41·5	+ 5·0	10	21	5	0·18	—	2·8	—	6	—
	Stonyhurst	49	31	45·6	39·2	42·5	+ 4·7	15	8	7	1·23	+ 0·23	1·5	− 5·4	3	− 10
	Blackpool Ⓜ	49	32	45·6	39·8	42·8	+ 4·1	15	6	7	0·68	0·00	3·3	− 4·0	6	− 8
	Manchester (Prestwich)	49	29	45·9	38·3	42·3	+ 4·3	18	10	6	1·02	+ 0·25	0·7	—	1	—
	Liverpool Obsy. (Bidston)	50	32	47·3	38·4	43·0	+ 3·3	22	10	7	0·39	− 0·15	1·8	—	4	—
	Chester (Hawarden Bridge)	53	33	49·7	40·4	45·2	+ 5·0	29	4	3	0·20	—	*	*	*	*
	Llandudno Ⓜ	51	36	48·4	42·6	45·6	+ 3·9	25	0	6	0·66	0·00	2·3	− 7·1	4	− 14
	Holyhead	52	37	49·7	43·6	46·8	+ 4·4	34	0	7	0·91	+ 0·12	*	*	*	*
	Bettws-y-Coed	54	35	49·4	41·6	45·7	+ 4·3	28	1	6	0·97	—	1·3	—	3	—
8. ENGLAND, S.W.	Llangammarch Wells	52	31	46·9	38·6	42·9	+ 5·2	21	10	5	0·83	—	0·5	—	1	—
	Pembroke	52	41	50·0	45·1	47·7	+ 4·6	40	0	5	0·29	− 0·59	8·5	− 1·8	16	− 3
	Cardiff	54	31	48·8	39·0	44·1	+ 3·3	27	8	5	0·42	—	*	*	*	*
	Clifton	53	28	47·7	39·3	43·7	+ 4·0	23	8	2	0·09	− 0·68	*	*	*	*
	Bath	54	28	48·4	39·3	44·0	+ 4·2	25	8	2	0·19	− 0·48	6·2	—	12	—
	Arlington (N. Devon)	50	32	46·9	38·4	42·8	+ 2·8	21	10	4	0·93	− 0·22	*	*	*	*
	Cullompton Ⓜ	55	33	48·6	40·2	44·6	+ 5·1	26	5	3	0·37	− 0·42	5·1	4·2	9	− 8
	Falmouth	53	37	48·8	42·8	45·9	+ 2·1	27	0	2	0·58	− 0·62	6·4	− 6·3	11	− 11
	Plymouth	54	35	49·0	42·0	45·6	+ 3·4	25	0	3	0·37	− 0·53	5·9	− 5·0	11	− 9
9. IRELAND, N.	Malin Head	50	38	49·0	42·4	45·8	+ 4·1	27	0	6	0·64	+ 0·01	*	*	*	*
	Edenfel (Omagh)	51	36	48·9	42·1	45·6	+ 7·8	25	0	7	0·62	− 0·18	*	*	*	*
	Blacksod Point	52	43	51·1	46·0	48·7	+ 5·8	47	0	6	1·09	− 0·13	*	*	*	*
	Markree Castle	52	41	49·8	44·8	47·4	+ 7·9	38	0	5	0·98	+ 0·08	1·4	− 7·4	3	− 15
	Armagh	50	40	48·6	43·3	46·1	+ 7·3	29	0	5	0·44	− 0·20	1·3	− 8·3	3	− 16
	Donaghadee	52	39	49·6	42·7	46·3	+ 5·4	30	0	3	0·18	− 0·47	*	*	*	*
10. IRELAND, S.	Dublin	54	41	51·3	44·9	48·2	+ 6·6	43	0	4	0·28	− 0·25	4·6	− 8·0	9	− 15
	Birr Castle	52	36	50·9	42·3	46·8	+ 7·1	34	0	6	0·44	− 0·24	2·3	− 8·8	4	− 17
	Kilkenny	53	37	50·6	43·3	47·1	+ 6·2	36	0	3	0·15	− 0·61	*	*	*	*
	Waterford	53	40	50·4	42·9	46·8	+ 5·6	34	0	4	0·40	− 0·60	*	*	*	*
	Roche's Point	53	42	51·0	45·3	48·3	+ 4·7	44	0	6	0·10	− 1·08	*	*	*	*
	Valencia	53	41	52·0	45·9	49·1	+ 4·2	50	0	5	0·44	− 0·96	1·2	− 10·1	2	− 19
	Killarney	53	42	51·1	44·9	48·1	+ 4·9	43	0	5	0·37	− 1·13	*	*	*	*
	Foynes	53	44	50·8	46·1	48·5	+ 6·8	46	0	2	0·48	− 0·40	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	53	39	50·0	42·7	46·5	0·0	32	0	3	0·36	− 0·51	6·9	− 6·1	12	− 11
	Jersey (St. Aubyn's)	54	25	49·1	39·3	44·4	+ 1·5	28	8	5	0·57	− 0·20	11·7	− 3·0	21	− 5

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

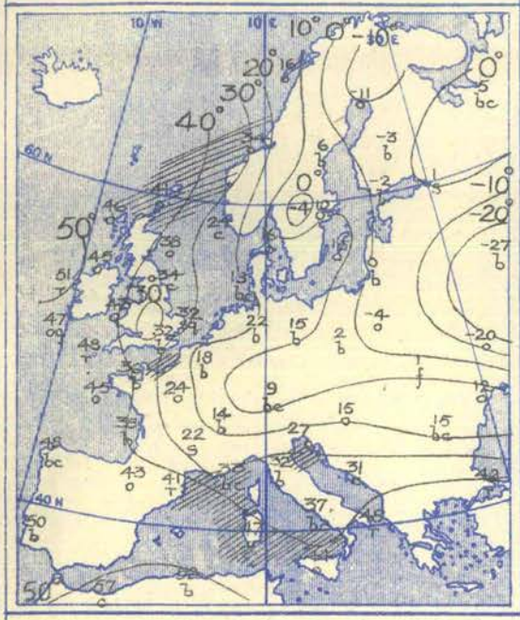
† At the stations named in this report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 33 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

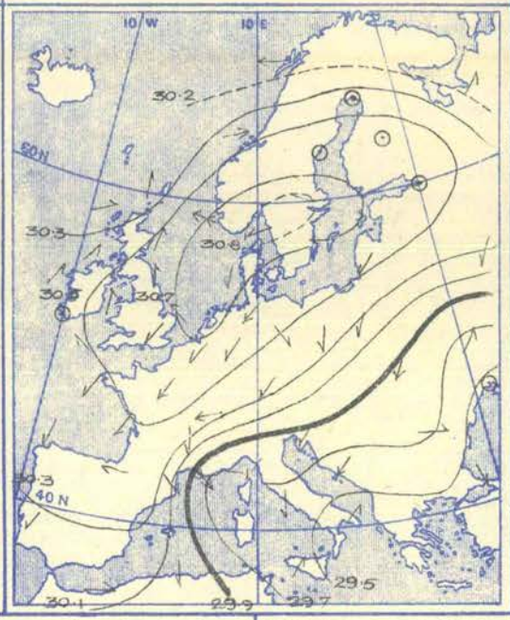
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 1st January, 1905.

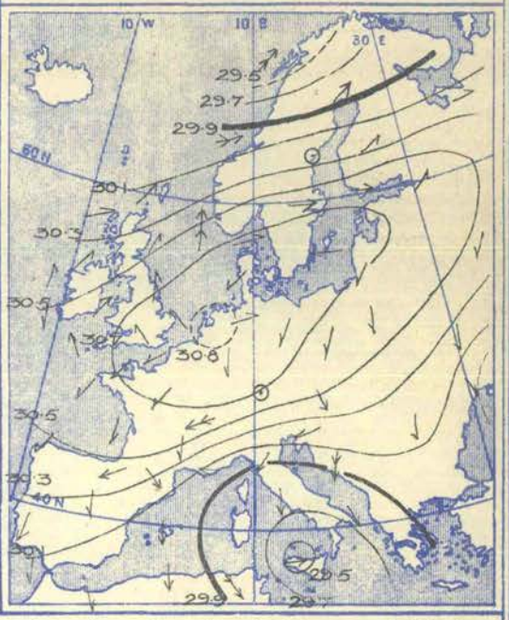
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most regions, but cloudy or overcast in most parts of our Islands and in a few localities on the Continent. Rain falling at Blacksod Point, Brindisi, Cagliari, and Constantinople, and snow on our south-east coast, the north coast of Germany, and at St. Petersburg, and Lyons. Slight rain later at most of our own stations, but 0·5 in. at Sumburgh Head and heavy falls at La Calle and Palermo. A large quantity of snow falling at Kuopio.

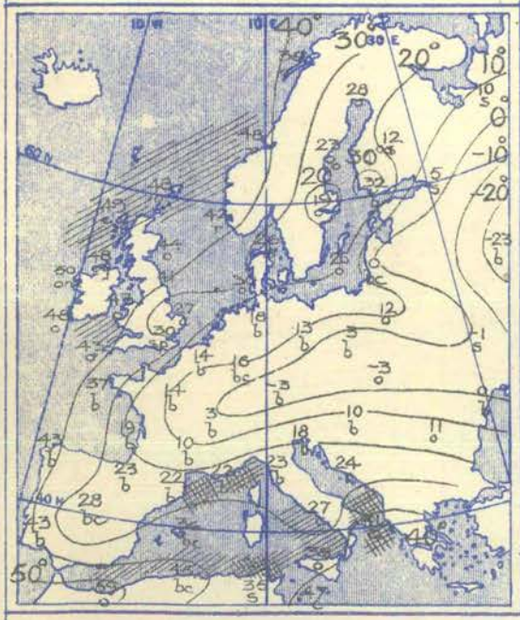
Temperature fallen except over the extreme northern countries—very rapidly in central Europe and quickly in France. Morning readings highest, 57° in the west of Algeria, 51° at Blacksod Point, 48° at Brindisi and Athens. Lowest, (1) −27° at Moscow, −20° at Kiev, −11° at Haparanda, −4° at Karlstad, and below 20° over the Continent as a whole, (2) 27° at Cape Sicié, (3) 29° to 32° over the centre and south-east of England. Maxima not exceeding 32° in London and at Yarmouth, but touching 53° at Valencia Island and 51° in the north of Scotland. Very severe frost continuing over the central and north-eastern countries, and thermometer remaining below 40° at Marseilles.

Wind at 8 a.m. mainly light and anticyclonic over the northern half of our area, but North-Easterly, fresh or strong, over the Baltic, and South-Easterly current blowing a gale at Skudesnaes. Strong North-Westerly to North-Easterly cyclonic winds reported from Italy and its neighbourhood, and a moderate or fresh gale in places. A strong gale between South and West blowing over Norway by evening, and wind increasing in the north generally. A considerable increase in force also taking place over the Mediterranean region.

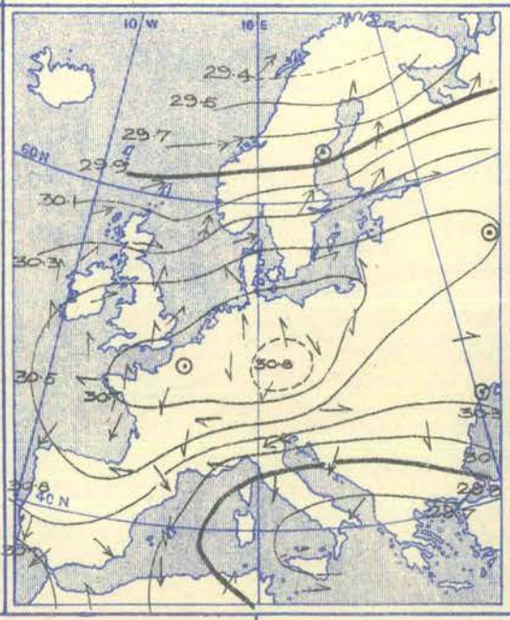
Barometer risen except in far south—with great rapidity over Germany. Morning readings ranging from above 30·8 ins. in an anticyclone centred over the Skager Rack and its vicinity, to below 30·3 ins. off the north of Scotland, and to below 29·5 ins. in a large area over south-eastern Europe. Gradients steep on several parts of the Continent, especially in the south-east of France and to the north of Italy. Anticyclone moving southwards later, and a large depression appearing in the far north.

Monday, 2nd January, 1905.

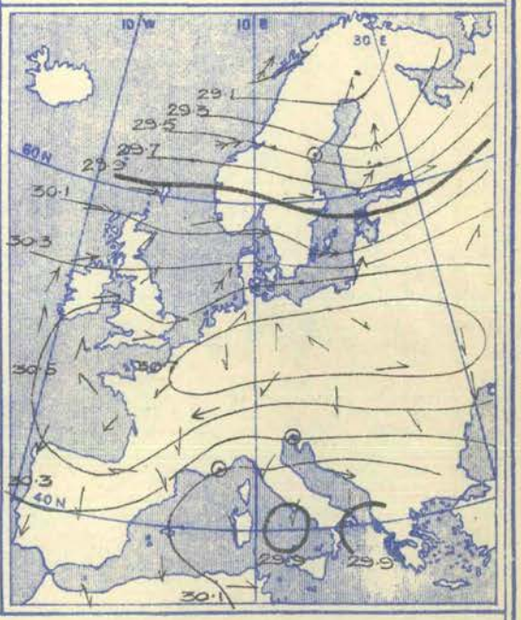
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in nearly all parts of France, central and southern Europe: cloudy or overcast elsewhere, with rain in the west of Norway, and snow at Oxford, in London, several parts of Finland and Russia, and also at Algiers and La Calle. Heavy rain occurring during day in the west of Norway and small amounts over our Islands. As much as 0·8 in. of rain and snow falling at Algiers, and considerable snow in Finland.

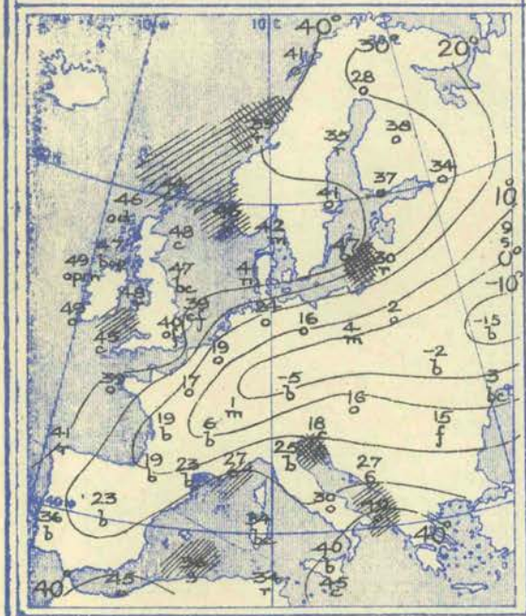
Temperature risen over our Islands and northern Europe (39° at Haparanda, fallen elsewhere. Extremely low over the central and southern countries and in Russia. Morning readings highest, 59° at Nemours, 51° at Nairn, 50° at Blacksod Point. Lowest, (1) −23° at Moscow, (2) −3° at Munich, +3° at Belfort, 17° at Turin, 22° at Nice and Perpignan, 23° at Florence and Biarritz, 27° at Rome and Naples, 28° at Madrid, 35° at La Calle. Rising later to 50° or a little higher in the west and north of our Islands, to 59° at Sfax, and to 61° at Nemours. Maxima much below 32° over the greater part of Europe, and only a few degrees above it as far south as the Riviera and Italy.

Wind in morning strong to a gale from West or South-West over the northern regions of the Continent, and from between North and North-East over the Adriatic, Italy, and the central parts of the Mediterranean. Light anticyclonic airs over the intervening countries. No change of a general character later in day, but violence of gale in the north increasing.

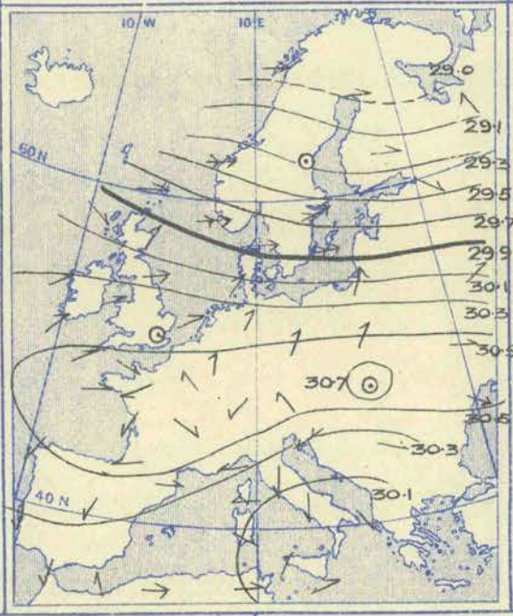
Barometer at 8 a.m. ranging from above 30·7 ins. in an anticyclone over the central countries and the north of France to less than 29·7 ins. in a depression over Italy, and to 29·4 ins. and less in another disturbance over Lapland. Latter system either increasing in depth or moving southwards later, and gradients over the northern half of the Continent becoming very steep. Depression in south undergoing some modification both in form and depth.

Tuesday, 3rd January, 1905.

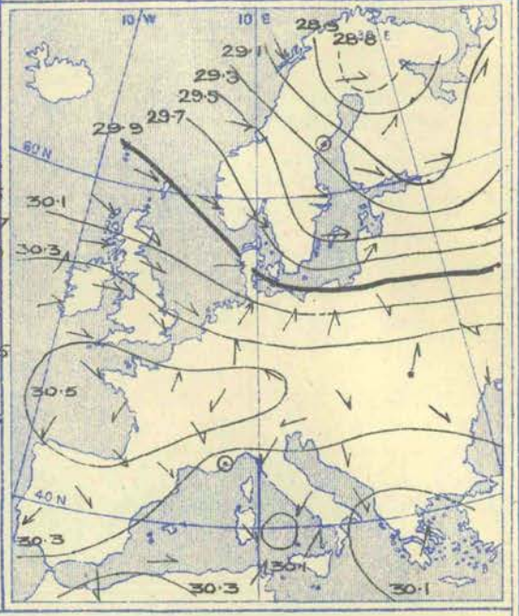
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over the greater part of central Europe, but cloudy or overcast generally, with snow at Le Havre, Pesaro, and Moscow, and also at Algiers, and rain at Corunna, several of our own stations, and at Christiansund. Some rain later in the north and north-west of our Islands, and snow in many Continental regions. Heaviest fall, rain and snow, 1·5 in. at Algiers.

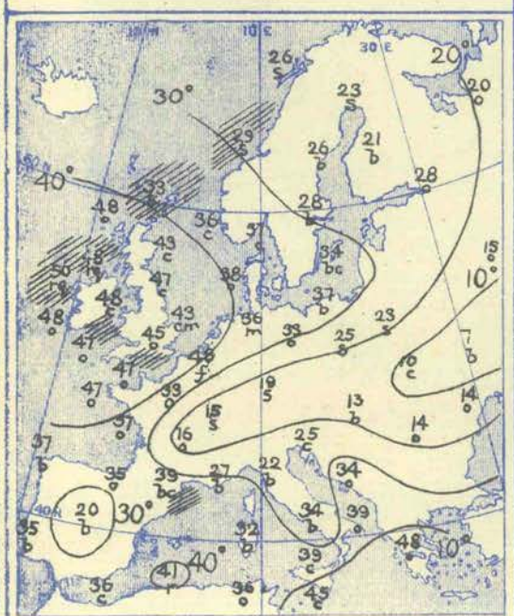
Temperature continuing abnormally low over southern Europe and the Mediterranean. Morning readings highest, 50° at Nairn, 49° in the west of Ireland, and 45° or 46° in the south of Norway. Lowest, −15° at Kiev, −5° at Munich, +1° at Belfort, 6° at Lyons, 18° at Trieste, 19° at Biarritz and Rochefort, 23° at Madrid, 36° at Naples, 34° at Tunis, and 36° at Algiers. Lowest in the United Kingdom, 37° at Clacton-on-Sea. Severe frost continuing all day in most parts of the Continent, and thermometer remaining very low in the south—not exceeding 30° at Leghorn, 32° at Cagliari, and 36° at Algiers. Maxima, 50° to 52° at many of our own stations.

Wind in morning Westerly over our Islands and the northern half of the Continent, and mostly fresh or strong in force; a gale prevailing in several parts of Scandinavia and over the Baltic. An extensive cyclonic circulation shown over southern Europe and the Mediterranean, the North-Easterly current blowing strongly in the north of Italy, and a gale at Trieste. Little change later except some decrease in strength over the southern regions.

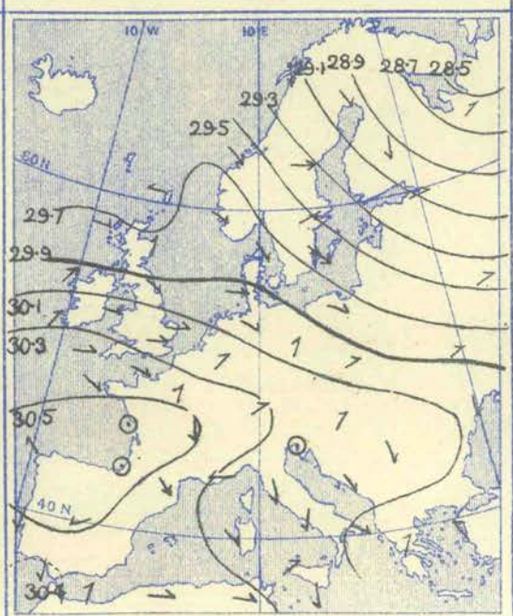
Barometer at 8 a.m. ranging from 30·5 ins. to above 30·6 ins. in an anticyclonic system extending from the Bay of Biscay to Little Russia, to below 30·1 ins. in a large depression over Italy and Sicily, and to below 29·0 ins. in another large disturbance centred over Lapland. Latter system apparently moving south-eastwards during day. Anticyclone giving way decidedly on its eastern side, and barometer falling in nearly all regions except the west of Norway.

Wednesday, 4th January, 1905.

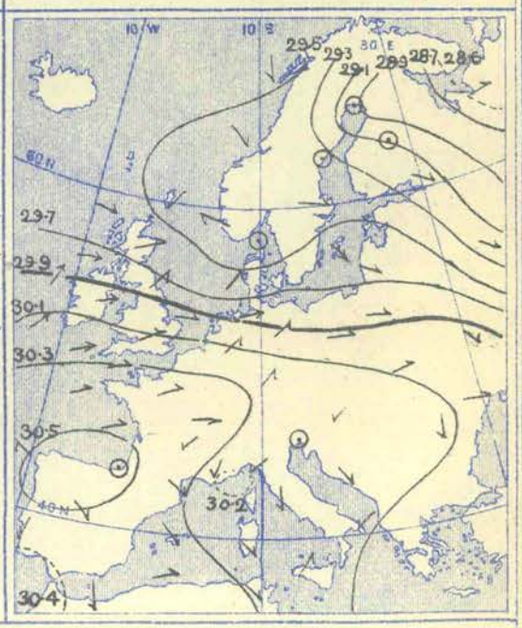
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. varying greatly in different regions, but mostly fine and bright at the southern stations and also over Finland, Sweden, and on the southern shores of the Baltic. Snow falling in the Shetlands, the north-west of Norway, many parts of central Europe, and at Pesaro and Nicolaieff, and rain in the north-west of Ireland. Rain or snow falling later in many parts of the Continent, and rain over the United Kingdom.

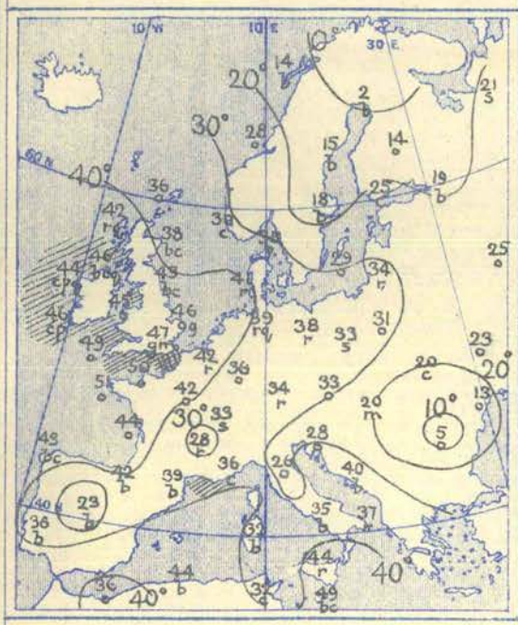
Temperature fallen in the north and risen in the centre of Europe and at many southern stations. Morning readings ranging from between 50° and 45° over the greater part of the United Kingdom to 33° at San Fernando, 23° at Rome, 22° at Florence, 20° at Madrid, below 20° over the east of France and at most stations in the central countries, to 10° at Lemberg, and to 7° at Kiev. Maxima again very low over the Mediterranean region; only 33° at Florence, 34° at Pesaro, 37° at Nemours. Frost continuing all day in many parts of central Europe. Thermometer rising to 50° or 52° at several of our own stations, and to 55° at San Fernando.

Wind at 8 a.m. Westerly or North-Westerly generally over the northern half of our area, but Southerly in the west of Ireland and Easterly in the Shetlands. Moderate to fresh as a whole, but strong in the north of Ireland and over Scandinavia, and blowing a gale in Gothland. An irregular cyclonic circulation of light to fresh winds prevailing over the Mediterranean and the surrounding countries. Little change later except some increase in force over our Islands and a decrease in Scandinavia.

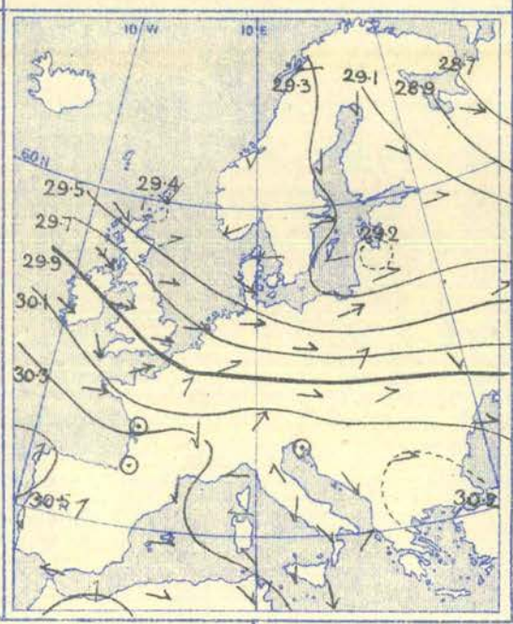
Barometer at 8 a.m. highest, 30·5 ins. and upwards in an anticyclone extending from central Spain and the Bay of Biscay to Lyons. Lowest, 28·6 ins. and less in a depression in the extreme north of Russia. Relatively low in an irregularly shaped depression over the south and south-east of Europe, and also in a small disturbance over the Pentland Firth. Latter moving slowly eastwards during day, and other ill-defined disturbances developing over Scandinavia. Barometer falling over our Islands, and wind backing somewhat in Ireland.

Thursday, 5th January, 1905.

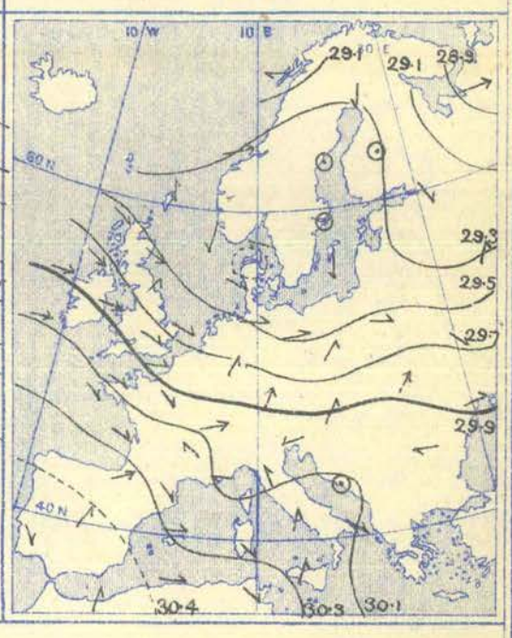
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast generally, with rain at several of our own stations and rain or snow in various parts of the Continent. Fine and bright in the Spanish Peninsula and Sweden. Rain experienced later in most parts of our Islands, France and Italy, and snow in several northern regions.

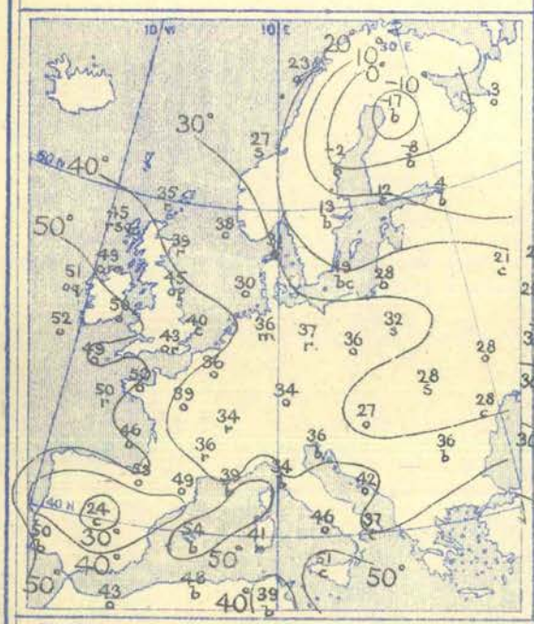
Temperature fallen in most parts of our Islands and northern Europe, risen elsewhere. Morning values highest, 51° at Brest, 50° at Jersey. Lowest, (1) 2° at Haparanda, 14° at Karlstad, (2) 5° at Hermanstadt, (3) 23° at Madrid, (4) 26° at Florence, 29° at Rome. Rising later to 59° at Algiers and La Calle, 57° at Palma, 54° at Leghorn, and 53° in the south of Ireland. Continuing below 32° over the north and east of our area and at Turin, and only touching 34° at Florence.

Wind at 8 a.m. variable in some localities, but mainly between North-West and West; fresh or strong in Denmark and strong to a slight gale over England and Ireland. Decreasing somewhat in force over our Islands by evening, but no general change taking place in direction.

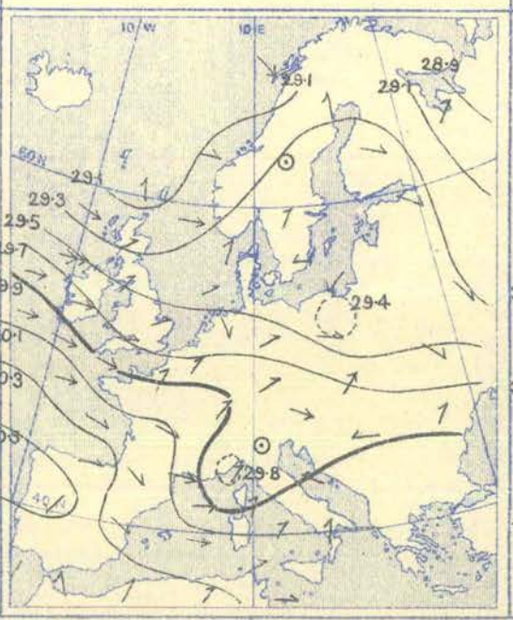
Barometer at 8 a.m. highest, 30·4 ins. to 30·5 ins. over the Spanish Peninsula and the north-west of Africa, and lowest, 28·71 ins. at Archangel. Several lesser minima shown in different parts of our area, and isobars very irregular generally. A fresh depression beginning to affect the barometer in the north of Norway later in the day, but little change occurring in the distribution as a whole.

Friday, 6th January, 1905.

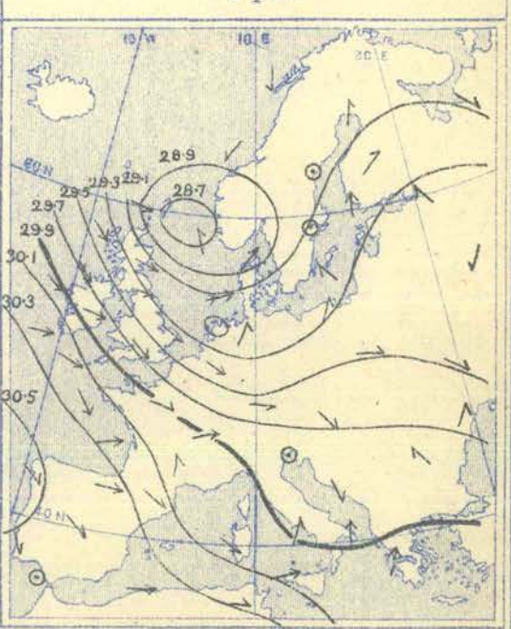
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright at several stations in Algeria, Finland, and Sweden, but cloudy or overcast as a whole. Rainy in Scotland, many parts of France, and at Bilbao and Rome, and snow falling in Norway and in some localities in central Europe. Later becoming rainy over Denmark, the Netherlands and Germany, rain also falling at isolated stations in southern Europe and North Africa, and snow at various places between Belfort and Kuopio, fog at Lorient and Sanguinaires.

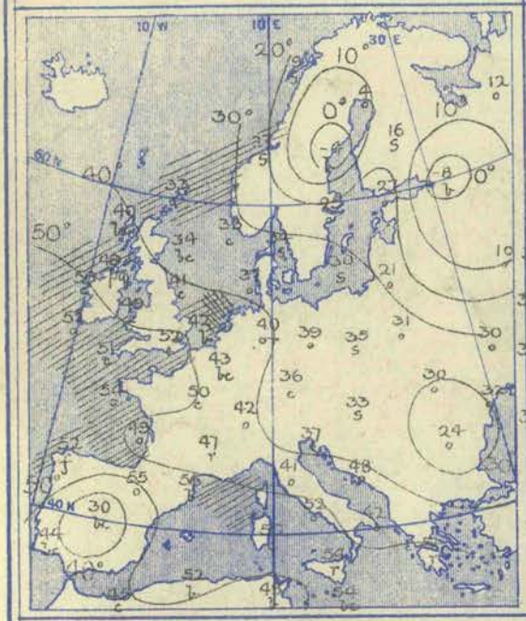
Temperature risen again in the south of Europe, Austria-Hungary, and at most of our own stations, fallen elsewhere. Morning readings highest, 54° at Palma, 53° at Biarritz and Roche's Point, 52° at Malta, and 50° at Leghorn. Lowest, (1) −17° at Ulleaborg, −8° at Kuopio, +3° at Archangel, 8° at Karlstad, (2) 8° at Nicolaieff, (3) 24° at Madrid, (4) 27° at Turin, 34° at Florence and Pesaro. Rising during the day to 63° at Nemours, 61° at Oran, Algiers, and La Calle, 58° at Palermo and Perpignan, above 50° in most parts of our Islands, 55° at Oxford, Bournemouth, and in London; remaining below the freezing point at several foreign stations, 16° at St. Petersburg, 10° at Haparanda, and 5° at Hernösand.

Wind at 8 a.m. strong to a slight gale from the Westward over Ireland and England, and moderate or fresh from about the same quarter over our area generally, but a Southerly breeze prevailing in the Shetlands, a cyclonic circulation around the Gulf of Genoa, and another one over Poland. Increasing generally over western Europe by evening, a moderate or fresh gale in many places, a strong or whole gale on the North Sea coasts. Fresh winds to moderate gales from the Westward and Southward also felt along the Mediterranean and in Finland.

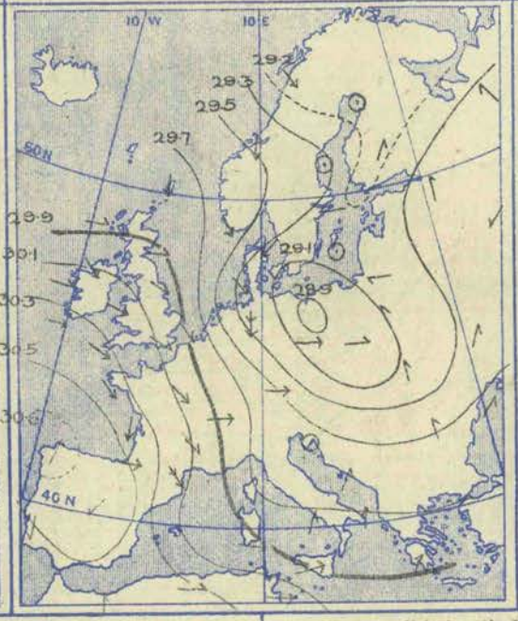
Barometer in morning ranging from above 30·5 ins. in an anticyclone extending from the Atlantic to central Spain, to 29·0 ins. and less in a depression lying between the Shetlands and Faröe Isles, and to about 28·9 ins. in another system in the extreme north of Russia. Relatively low in disturbances situated near Warsaw and Leghorn. In the evening a very deep depression on the upper part of the North Sea, barometer below 28·7 ins., the Polish and Italian depressions dispersing, the region of highest pressure remaining over the Spanish Peninsula.

Saturday, 7th January, 1905.

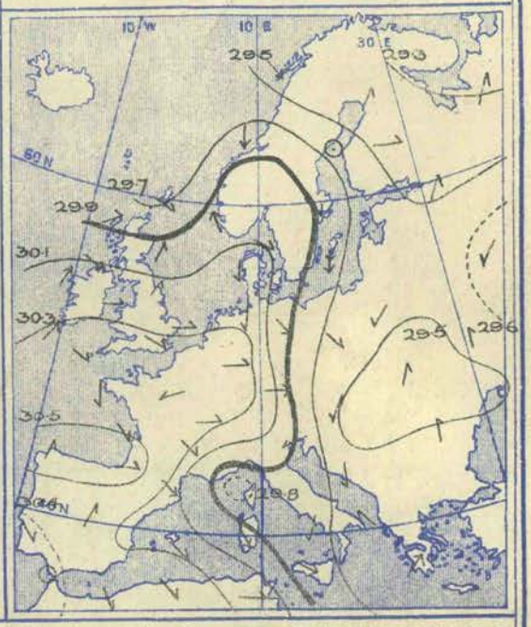
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in some parts of our Islands, the extreme south of Europe, and in Algeria and Tunis, mostly dull and overcast, with rain at some of the western Continental stations, at Palermo and Patras. Snow in many places in Scandinavia, Finland, Denmark and central Europe, and fog at Corunna, Oporto, Naples, and Sanguinaires. During the day very little change taking place, on the whole the conditions improving, but heavy rain falling at Lyons, 1·4 ins. At Brindisi, 0·6 in. of rain, but the amounts of rain or snow measured elsewhere were very small.

Temperature at 8 a.m. changed irregularly, having risen or fallen more than 10° in some localities, risen 31° at Uleaborg. Values ranging from 56° at Perpignan, 55° at Barcelona and Biarritz, and 54° at Malta, Palermo, and Turin, to 33° at Wick and Sumburgh Head, 30° at Madrid, 10° at Moscow, 4° at Haparanda, 0° at Uleaborg, −4° at Hernösand, and −8° at St. Petersburg. Rising later to 72° at Alicante, 70° at Nice, 68° at Biskra, and 66° at Palma; 50° or 51° at several of our west coast stations; not exceeding 30° at Memel, 27° at Stockholm, 23° at Bodö, 16° at Hernösand, and 9° at St. Petersburg.

Wind at 8 a.m. light from the Southward over eastern Europe generally, strong to a moderate gale on the eastern part of the Mediterranean; over the western half of our region Westerly to Northerly, a strong breeze to a fresh gale in many places, a strong gale at Fanö and Cuxhaven. Becoming more variable in direction and the strength diminishing in many districts, but a fresh Northerly or North-Westerly gale at Cagliari, Wisby, and Bodö, and a moderate gale at Christiansund, Memel, Turin, and Palermo.

Barometer in morning highest, 30·62 ins. at Corunna, and above 30·2 ins. over the more western portions of Europe and northern Africa; lowest, 28·86 ins. at Swinemünde at the centre of a depression occupying Germany, Austria, and the Baltic region. Remaining highest, above 30·5 ins. on the lower part of the Bay of Biscay. By evening lowest, below 29·3 ins., on the White Sea; the German depression travelling south-eastward and filling up, 29·43 ins. at Lemberg.

IV.—GENERAL NOTES, etc.

At the commencement of the period a well-defined anticyclone covered the whole of western and northern Europe, with its axis from south-west to north-east from Land's End to Archangel, pressure being low over the Mediterranean and Black Sea. Subsequently the anticyclone moving slowly southward, with its axis becoming west to east, from the Bay of Biscay to Southern Russia, deep disturbances travelling eastward across the extreme north of Europe, and the low pressure systems of the Mediterranean region gradually filling up. By Wednesday the anticyclone was contracting considerably, being now confined mainly to the western regions, with its centre on or near the Spanish Peninsula. Pressure now became more irregular over north-western, northern, eastern and south-eastern Europe, several disturbances visiting the various districts, some of those in the north being very deep and travelling at a rapid rate, the one which was centred near the Shetlands at 6 p.m. on Friday following a south-easterly course and nearing the Black Sea by 6 p.m. of the next day. Strong winds and gales from various directions were very commonly experienced over the greater portion of our area, as far south as Algeria and Tunis, accompanied by falls or snow at a large number of stations, including some of the African ones. The severe North-Westerly gale which was associated with the Friday night's disturbance on the North Sea was coincident with an exceptionally high tide running before the wind, overflowing a considerable area on the east coast of Britain and causing a great deal of damage, the tide being some hours in advance of its time and rising several feet above the calculated level. Rapid fluctuations of temperature occurred during the week, severe frosts being experienced in most parts of the Continent, including Italy, and also in southern Algeria. Over our Islands the weather was very mild as a rule, the local night frosts being slight.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟶⟶⟶ = a heavy gale; ⟶⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning, and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from Observations made at 8 a.m. in the British Islands, Belgium, Holland and Spain; at 7 a.m. in Germany, Denmark, Norway, and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 9.36 a.m. in Portugal (except at Lisbon, where the hour is 8.36 a.m.).

The Chart for 6 p.m. is prepared from Observations taken at 6 p.m. in the British Islands, Belgium and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 p.m. in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway, and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich time.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 2.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration.	Difference from the Mean for the Week.
DEERNESS	0·7	− 5·9	2	− 12
STRATHPEFFER SPA	2·6	− 4·2	6	− 9
CRATHES	6·1	—	13	—
BALRUDDERY	10·8	—	23	—
EDINBURGH	5·2	− 1·0	11	− 2
COCKLE PARK	8·6	—	17	—
NEWCASTLE-on-TYNE	3·4	—	7	—
SALTBURN-by-the-SEA	—	—	—	—
YORK	3·6	− 2·7	7	− 6
SKEGNESS	8·5	—	16	—
CROMER	—	—	—	—
LOWESTOFT	7·3	—	14	—
DUNMOW	3·6	—	7	—
SHEFFIELD	5·9	—	11	—
WORKSOP	1·3	− 6·1	3	− 12
THURCASTON	5·2	− 2·8	10	− 5
MARGATE	1·8	− 8·3	3	− 15
BROADSTAIRS	2·5	—	5	—
RAMSGATE	2·4	—	4	—
EASTBOURNE	8·8	− 3·4	16	− 6
BRIGHTON	6·8	− 4·4	12	− 8
WORTHING	7·9	—	14	—
BOGNOR	4·5	—	8	—
VENTNOR HOSPITAL	7·6	− 3·2	14	− 6
BOURNEMOUTH	12·1	—	22	—
MARLBOROUGH	5·9	− 2·8	11	− 5
SOUTHPORT	2·7	—	5	—
RHYL	1·8	—	4	—
ABERDOVEY	1·4	—	3	—
TENBY	—	—	—	—
TORQUAY	6·3	− 6·1	11	− 11
NEWQUAY	4·2	− 7·3	8	− 12
GUERNSEY	7·4	− 3·7	13	− 7

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 2. SECOND WEEK, ENDING SATURDAY, JANUARY 14TH, 1905. *Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 8.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	53	25	44·5	32·7	38·8	1 above	7	+ 1	36	- 1	20	+ 7	50	- 22
	1. SCOTLAND, EAST	52	25	43·8	32·5	38·4	2 above	5	- 2	36	- 7	32	+ 18	49	- 35
	2. ENGLAND, N.E.	52	28	45·0	35·1	40·2	3 above	8	+ 1	27	-11	23	+ 8	43	- 31
	3. ENGLAND, EAST	52	23	45·4	34·7	40·3	3 above	10	+ 3	30	-12	18*	+ 3	60	- 22
	4. MIDLAND COUNTIES	52	21	44·9	34·5	39·9	2 above	8	- 1	30	-13	23	+ 4	46	- 33
	5. ENGLAND, SOUTH	52	21	46·2	36·3	41·5	3 above	12	0	25	- 8	23	- 2	51	- 13
Principal Grazing Districts.	6. SCOTLAND, WEST	51	31	45·1	36·4	40·9	2 above	9	- 1	23	- 7	31	+ 10	25	- 34
	7. ENGLAND, N.W.	53	29	45·9	38·0	42·1	3 above	18	+ 9	11	-20	39	+ 20	16	- 43
	8. ENGLAND, S.W.	53	23	46·4	37·1	42·0	1 above	12	- 3	14	- 9	37	+ 5	18	- 27
	9. IRELAND, NORTH	54	30	46·3	36·8	41·7	2 above	12	- 1	22	- 5	45	+ 18	22	- 30
	10. IRELAND SOUTH	54	30	48·2	38·8	43·7	2 above	25	+ 5	9	-12	66	+ 25	9	- 32
	— CHANNEL ISLANDS	54	32	49·4	42·3	46·0	2 above	28	+ 5	0	-11	57	+ 9	3	- 17

Rainfall.

	DISTRICTS. (See p. 8.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	20	9 more	12	+ 2	4·0	+ 1·7
	1. SCOTLAND, EAST	4	5	2 less	8	0	0·8	- 0·5
	2. ENGLAND, N.E.	2	1	3 less	5	- 2	0·2	- 0·7
	3. ENGLAND, EAST	3	2	2 less	7	- 1	0·4	- 0·5
	4. MIDLAND COUNTIES	4	4	1 less	8	+ 1	0·6	- 0·5
	5. ENGLAND, SOUTH	3	2	5 less	7	- 1	0·5	- 0·7
Principal Grazing Districts.	6. SCOTLAND, WEST	4	10	2 less	11	+ 2	2·3	- 0·2
	7. ENGLAND, N.W.	4	6	1 less	10	+ 2	1·3	- 0·2
	8. ENGLAND, S.W.	4	4	5 less	7	- 2	0·9	- 0·9
	9. IRELAND, NORTH	6	9	1 more	11	+ 1	1·6	0·0
	10. IRELAND, SOUTH	5	12	2 more	9	0	1·5	- 0·5
	— CHANNEL ISLANDS	4	2	6 less	8	- 1	0·7	- 0·9

Bright Sunshine.

	DISTRICTS. (See p. 8.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	0	12	0	7	- 4	8	- 4
	1. SCOTLAND, EAST	14	+ 4	28	+ 9	20	+ 1	20	+ 1
	2. ENGLAND, N.E.	17	+ 3	32	+ 6	24	- 1	23	- 1
	3. ENGLAND, EAST	27	+17	50	+31	33	+ 13	31	+12
	4. MIDLAND COUNTIES	16	+ 6	29	+12	21	+ 3	20	+ 3
	5. ENGLAND, SOUTH	20	+ 9	35	+16	27	+ 6	24	+ 5
Principal Grazing Districts.	6. SCOTLAND, WEST	11	+ 1	20	+ 3	15	- 1	15	- 1
	7. ENGLAND, N.W.	11	+ 5	21	+ 9	13	- 1	12	- 1
	8. ENGLAND, S.W.	15	+ 4	27	+ 7	20	- 1	18	- 1
	9. IRELAND, NORTH	4	- 5	8	-10	5	- 14	5	-13
	10. IRELAND, SOUTH	9	- 3	17	- 6	12	- 12	11	-11
	— CHANNEL ISLANDS	19	+ 6	33	+11	28	+ 2	24	+ 2

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather during this week was mostly fair in the south and east of England and unsettled elsewhere. Heavy rain and a little snow were experienced in the north of Scotland, and a considerable amount of rain in Ireland and the west of Scotland. During the 11th a thunderstorm, accompanied by hail, occurred at Leith.

Temperature was above the mean, the excess ranging from 1° in Scotland N. and England S.W. to 2° or 3° in the other parts of the Kingdom. The highest of the maxima were recorded at the beginning of the week, and the lowest of the minima at its close. The former ranged from 54° in Ireland and the Channel Islands to 51° in Scotland W., and the latter from 21° in England S. and the Midland Counties to 30° in Ireland and to 32° in the Channel Islands.

Rainfall was much more than the mean in Scotland N., and a little more in Ireland, but elsewhere there was a deficit. In the Channel Islands and in England S., E., and N.E. the fall was very slight.

Bright Sunshine was very abundant in England, the Channel Islands, and the east of Scotland, but only just equalled the normal in Scotland N., and was below it over Ireland. The percentage of the possible duration ranged from 50 in England E., 35 in England S., 33 in the Channel Islands, and 32 in England N.E., to 12 in Scotland N., and to 8 in Ireland N.

Barometer and Wind. Large depressions moving eastwards to Scandinavia gave rise to considerable and frequent fluctuations in pressure over our Islands, and caused the winds to often become strong, and sometimes to blow a gale, from the South-Westward or Westward. Towards the end of the week, however, the anticyclone over the south-west of Europe moved over France and England, and finally north-eastward to Denmark, the Baltic, and Scandinavia. This change in distribution was accompanied by a steady fall of the barometer on our western coasts and Southerly to South-Easterly winds, which by Saturday increased greatly in strength generally, and blew a gale on our western coasts.

3257 Wy. & S. Ltd.
370 1 | 05

II.—DATA from which the SUMMARY on page 7 has been calculated.

Districts. Jan. 8–14, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	47	26	43·3	32·6	38·2	− 0·9	4	36	5	1·58	+ 0·68	*	*	*	*
	Stornoway	50	30	45·7	34·3	40·2	+ 1·4	10	31	6	2·14	+ 1·01	5·2	− 1·2	11	− 3
	Wick	48	30	43·9	32·0	38·2	+ 0·5	5	38	5	0·34	− 0·20	*	*	*	*
	Lairg Ꞩ	52	25	45·1	31·4	38·5	+ 3·6	9	41	6	2·03	+ 1·21	*	*	*	*
	Glencarron Ꞩ	53	30	44·7	32·9	39·0	+ 1·8	8	35	5	3·87	+ 1·61	*	*	*	*
	Fort Augustus Ꞩ	48	27	44·0	32·9	38·7	+ 0·5	6	35	5	2·07	+ 0·95	3·5	+ 0·2	7	0
1. SCOTLAND, E.	Nairn	51	28	44·6	32·3	38·7	+ 1·3	7	38	5	0·38	− 0·08	*	*	*	*
	Aberdeen	51	31	44·0	33·6	39·0	+ 1·5	6	32	2	0·05	− 0·48	15·5	+ 4·5	32	+ 9
	Braemar Ꞩ	48	27	40·8	30·5	35·9	+ 1·7	0	43	4	0·51	− 0·16	*	*	*	*
	Clathick Ꞩ	48	28	44·1	32·7	38·6	+ 1·9	6	35	5	0·88	− 0·18	*	*	*	*
	Leith	52	30	45·4	33·3	39·6	+ 0·7	10	35	4	0·55	+ 0·15	*	*	*	*
	Marchmont Ꞩ	48	25	43·7	32·7	38·4	+ 2·1	5	35	3	0·32	− 0·28	11·8	+ 2·9	23	+ 6
	Alnwick Castle	51	28	44·4	34·3	39·6	+ 1·8	7	30	3	0·27	− 0·26	*	*	*	*
2. ENGLAND, N.E.	Durham	51	29	45·4	34·5	40·2	+ 3·3	10	30	1	0·03	− 0·43	12·8	+ 2·6	25	+ 5
	Shields	52	29	45·3	34 0	39·9	+ 1·3	9	32	1	0·03	− 0·37	*	*	*	*
	Scarborough 𝔐	51	32	47·3	36·4	42·1	+ 3·7	24	16	2	0·07	− 0·41	16·9	—	32	—
	Spurn Head	49	34	44·3	36·7	40·7	+ 2·3	6	22	1	0·02	− 0·33	*	*	*	*
	Lincoln	50	29	44·8	34·9	40·1	+ 3·1	8	29	4	0·28	− 0·10	*	*	*	*
	Fulbeck	49	28	43·2	34·7	39·1	+ 2·7	3	27	4	0·20	− 0·19	21·5	—	40	—
3. ENGLAND, E.	Hillington 𝔐	52	27	45·0	32·8	39·1	+ 2·4	8	36	4	0·41	− 0·05	27·4	+ 17·6	51	+ 33
	Yarmouth	50	32	43·9	35·7	40·0	+ 2·6	5	25	2	0·17	− 0·28	*	*	*	*
	Geldeston	51	23	45·6	33·1	39·6	+ 1·8	10	35	2	0·15	− 0·23	27·2	+ 15·8	50	+ 29
	Cambridge	52	26	45·0	33·8	39·6	+ 2·3	8	32	3	0·26	− 0·09	29·6	+ 19·0	54	+ 35
	Felixstowe	49	32	46·2	35·9	41·3	+ 3·1	12	26	2	0·18	—	28·7	—	52	—
	Clacton-on-Sea	47	31	44·3	35·9	40·3	+ 1·1	6	24	2	0·14	—	27·5	—	50	—
	Rothamsted	51	26	47·0	34·7	41·1	+ 4·0	14	31	4	0·19	− 0·36	24·4	+ 14·7	44	+ 27
	Shoeburyness	51	25	45·9	35·7	41·0	+ 2·4	11	26	2	0·08	− 0·26	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	49	27	42·7	34·7	38·9	+ 2·0	2	27	5	0·46	− 0·10	15·0	—	28	—
	Bawtry (Hesley Hall)	52	28	45·6	35·7	40·9	+ 3·7	10	26	5	0·13	− 0·28	*	*	*	*
	Nottingham	50	21	44·9	34·3	39·8	+ 2·2	8	30	3	0·35	− 0·12	17·9	—	33	—
	Colly Weston (Stamford)	50	28	45·3	34·0	39·9	+ 3·2	9	32	3	0·38	− 0·06	*	*	*	*
	Cheadle 𝔐	48	30	44·2	34·4	39·5	+ 3·0	6	30	4	0·62	0·00	*	*	*	*
	Birmingham (Edgbaston)	48	31	44·6	35·3	40·1	+ 2·2	7	26	3	0·58	+ 0·09	18·0	—	33	—
	Shrewsbury	52	29	47·2	36·4	42·0	+ 3·6	15	16	3	0·20	—	*	*	*	*
	Hereford 𝔐	50	26	44·4	34·2	39·5	+ 1·2	7	30	3	0·51	− 0·05	*	*	*	*
	Cirencester	50	22	44·5	30·4	37·7	+ 0·2	7	44	3	0·28	− 0·37	15·0	+ 4·6	27	+ 8
	Oxford	51	26	45·9	35·7	41·0	+ 2·8	11	26	4	0·27	− 0·19	20·5	+ 10·5	37	+ 19
	Westminster	52	29	46·0	37·1	41·7	+ 2·9	11	21	1	0·11	—	14·7	+ 11·0	26	+ 20
5. ENGLAND, S.	London (Brixton)	51	29	46·3	36·9	41·8	+ 3·0	12	22	1	0·11	− 0·33	16·0‡	+ 10·8‡	29‡	+ 19‡
	Wisley (Surrey)	51	29	46·7	36·8	42·0	+ 3·2	13	15	3	0·13	—	24·6	—	44	—
	Swarraton (Alresford) 𝔐	50	21	45·6	32·3	39·2	+ 1·7	10	38	2	0·12	− 0·58	*	*	*	*
	Tunbridge Wells 𝔐	49	30	45·0	35·0	40·2	+ 2·6	8	28	3	0·20	—	23·6	—	42	—
	Dungeness	50	29	47·7	36·4	42·3	+ 2·9	26	16	2	0·07	− 0·37	19·8	—	35	—
	Hastings (St. Leonards)	50	32	46·0	35·9	41·2	+ 1·7	11	26	3	0·10	− 0·53	24·5	+ 11·6	43	+ 20
	Southampton	52	27	47·2	35·9	41·8	+ 2·0	15	27	3	0·19	− 0·51	17·8	+ 6·6	32	+ 12
	Portland Bill	51	37	47·7	41·6	44·8	+ 3·4	21	1	4	0·17	—	*	*	*	*
	Shaftesbury 𝔐	48	30	43·6	36·3	40·1	+ 2·8	4	22	3	0·24	− 0·44	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	51	32	46·6	36·6	41·8	+ 1·8	13	24	6	2·54	+ 0·64	*	*	*	*
	Glasgow	50	32	44·9	36·0	40·6	+ 2·2	8	24	4	0·88	+ 0·01	6·3	+ 1·3	13	+ 3
	Cally Ꞩ	46	31	43·1	35·5	39·5	+ 1·3	3	25	5	0·59	− 0·50	*	*	*	*
	Aspatria	49	32	45·1	36·3	40·9	+ 3·4	9	24	4	0·60	—	13·3	—	26	—
	Douglas (Isle of Man)	50	34	45·7	37·7	41·9	+ 1·2	10	19	3	0·50	− 0·49	12·1	+ 1·3	23	+ 2
7. ENGLAND, N.W.	Newton Rigg	49	29	45·1	33·1	39·3	+ 3·4	9	35	5	0·60	—	11·4	—	22	—
	Stonyhurst	49	33	44·1	37·0	40·7	+ 3·1	6	20	5	0·84	− 0·12	10·7	+ 3·4	20	+ 6
	Blackpool 𝔐	49	33	45·2	38·0	41·7	+ 3·3	9	17	3	0·33	− 0·34	15·0	+ 7·3	28	+ 14
	Manchester (Prestwich)	51	33	45·2	36·6	41·1	+ 3·2	9	23	5	0·66	− 0·07	7·9	—	15	—
	Liverpool Obsy. (Bidston)	52	34	45·6	39·1	42·5	+ 3·1	16	8	3	0·25	− 0·28	15·6	—	29	—
	Chester (Hawarden Bridge)	53	33	46·3	37·9	42·3	+ 2·5	19	11	3	0·20	—	*	*	*	*
	Llandudno 𝔐	53	37	47·9	40·3	44·3	+ 2·9	23	5	4	0·79	+ 0·15	13·3	+ 3·5	25	+ 7
	Holyhead	51	38	46·9	41·3	44·2	+ 2·1	18	2	3	0·53	− 0·23	*	*	*	*
	Bettws-y-Coed	51	31	46·9	38·3	42·8	+ 1·6	21	10	4	1·03	—	7·2	—	13	—
8. ENGLAND, S.W.	Llangammarch Wells	49	23	42·8	34·2	38·7	+ 0·5	2	29	5	0·96	—	6·8	—	12	—
	Pembroke	51	40	48·0	42·7	45·5	+ 2·9	25	0	4	0·43	− 0·43	11·9	+ 1·3	22	+ 2
	Cardiff	51	25	45·1	33·9	39·7	− 1·1	9	32	4	0·37	—	*	*	*	*
	Clifton	53	29	45·0	37·0	41·2	+ 1·7	8	21	3	0·29	− 0·47	*	*	*	*
	Bath	52	25	46·7	34·3	40·8	+ 1·0	13	32	3	0·13	− 0·53	15·3	—	27	—
	Arlington (N. Devon)	50	30	45·9	36·7	41·5	+ 1·5	11	23	4	0·78	− 0·28	*	*	*	*
	Cullompton 𝔐	51	24	46·3	33·6	40·2	+ 0·6	12	34	4	0·14	− 0·63	13·7	+ 4·3	24	+ 8
	Falmouth	52	40	48·9	42·2	45·7	+ 2·2	26	0	3	0·39	− 0·78	15·3	+ 2·6	27	+ 5
	Plymouth	52	30	49·0	39·7	44·5	+ 2·5	27	6	5	0·21	− 0·67	16·4	+ 5·4	29	+ 10
9. IRELAND, N.	Malin Head	50	32	46·4	37·1	41·9	+ 0·5	12	21	6	0·67	+ 0·10	*	*	*	*
	Edenfel (Omagh)	48	30	43·9	35·0	39·6	+ 2·0	5	27	5	0·77	− 0·01	*	*	*	*
	Blacksod Point	54	34	49·9	39·4	44·9	+ 2·3	31	7	7	1·83	+ 0·68	*	*	*	*
	Markree Castle	50	31	46·2	36·9	41·7	+ 2·4	12	22	6	1·17	+ 0·31	4·4	− 4·8	8	− 9
	Armagh	51	32	45·9	36·3	41·3	+ 2·6	11	24	5	0·68	+ 0·05	4·3	− 5·7	8	− 11
	Donaghadee	51	33	45·6	36·1	41·0	+ 0·4	10	24	4	0·37	− 0·27	*	*	*	*
10. IRELAND, S.	Dublin	54	34	47·9	38·3	43·3	+ 1·8	25	10	3	0·29	− 0·22	13·7	+ 0·8	25	+ 2
	Birr Castle	52	31	46·6	35·0	41·0	+ 1·5	13	29	4	0·52	− 0·14	7·8	− 3·6	14	− 7
	Kilkenny	52	30	46·6	36·3	41·7	+ 0·9	13	25	5	0·57	− 0·19	*	*	*	*
	Waterford	52	32	47·4	37·6	42·7	+ 1·7	23	12	5	0·80	− 0·18	*	*	*	*
	Roche's Point	51	37	48·6	41·9	45·4	+ 1·9	24	0	7	1·18	+ 0·02	*	*	*	*
	Valencia	54	38	50·1	41·9	46·2	+ 1·5	30	0	6	2·36	+ 0·97	5·1	− 6·6	9	− 12
	Killarney	54	35	49·7	40·3	45·2	+ 2·0	30	5	6	2·42	+ 0·90	*	*	*	*
	Foynes	53	37	48·4	39·4	44·1	+ 2·6	26	7	6	1·40	+ 0·56	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	54	42	50·3	44·0	47·3	+ 1·2	37	0	5	0·25	− 0·58	15·1	+ 2·1	26	+ 4
	Jersey (St. Aubyn's)	54	32	48·4	40·6	44·7	+ 2·2	25	4	3	0·22	− 0·51	21·7	+ 6·7	37	+ 11

Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for Stations marked Ꞩ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

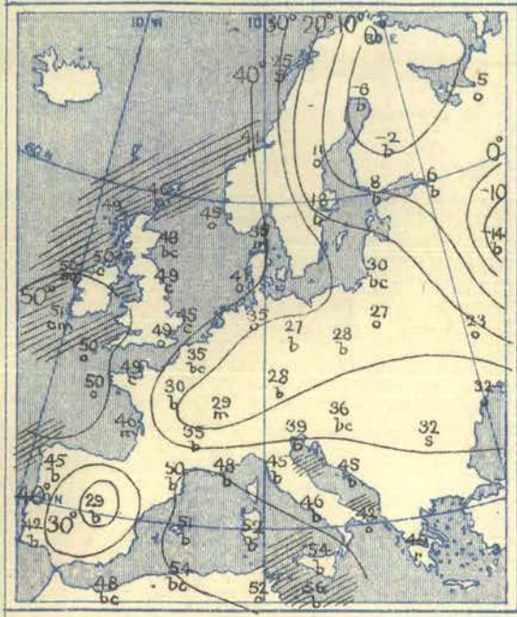
At the stations named in this report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 33 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

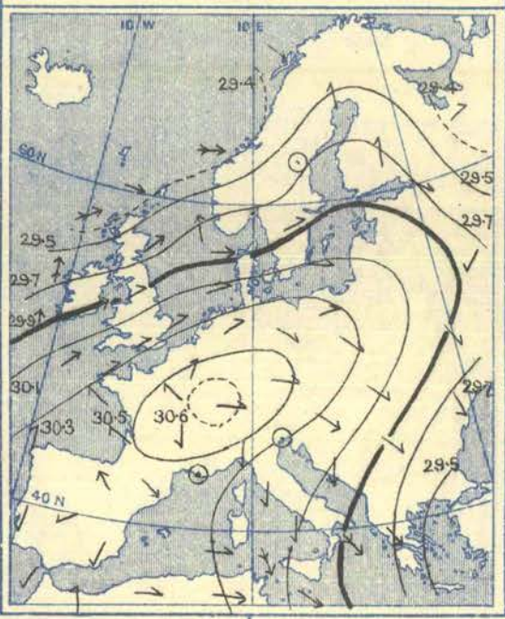
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 8th January, 1905.

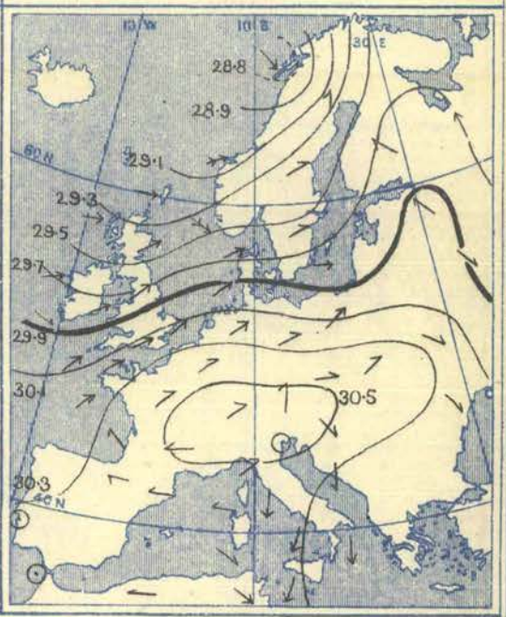
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to fine and clear at the great majority of the foreign stations and in the eastern parts of Britain, dull and overcast along the English Channel, our western and northern coasts, on the eastern shores of the North Sea, and on the Norwegian coast, with rain at Blacksod Point, Stornoway, and Christiansund, and snow at Bodö. Rain also falling at Patras, and snow at Hermanstadt. The fine weather continuing in most regions during the day, but rain spreading to many parts of our Islands and to Sweden, and snow falling on the Gulf of Finland.

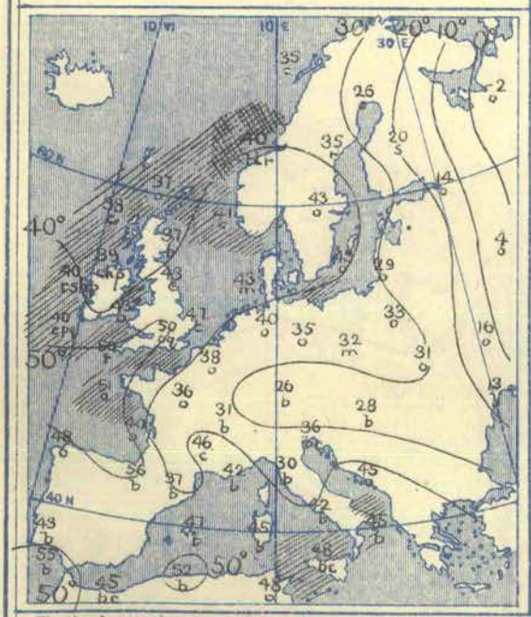
Temperature at 8 a.m. risen decidedly over North Britain and the greater part of Scandinavia, and to a less extent in Denmark and North Africa, fallen nearly everywhere else. Values ranging from 58° at Alicante, 56° at Malta and La Calle, 51° at Valencia and 50° at several of our western stations, to −1° at Uleaborg, −2° at Kuopio, −6° at Haparanda, and −14° at Moscow. Rising during the day to 73° at Biskra, 64° at Palma, La Calle, and Laghouat, 54° at Scilly, 23° at Carlsruhe, 19° at Haparanda, and 14° at St. Petersburg.

Wind in morning Southerly to Westerly or North-Westerly in most regions, rather variable in the far south. Mainly light or moderate in force, but strong to a moderate gale in some localities, a fresh gale in some parts of Ireland and Scotland, at Christiansund, Brindisi, and Palermo. Not much change of direction later, but the force increasing, strong to a gale generally, over our Islands and north-western Europe.

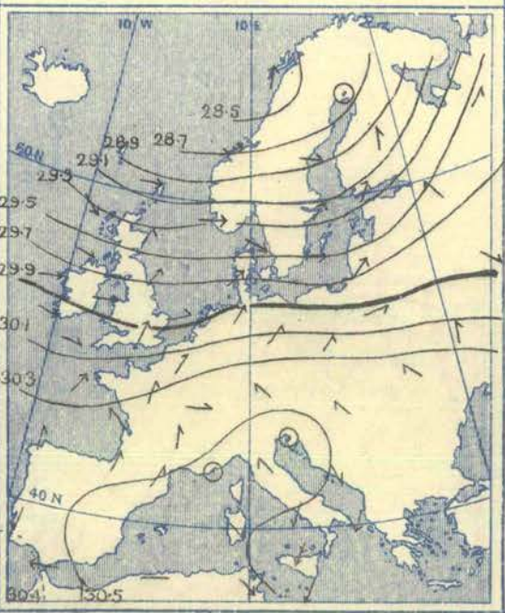
Barometer in morning highest, above 30·6 ins. over the Rhineland. Lowest, below 29·4 ins. from the Hebrides up the Norwegian coast, and also eastward of the White Sea. The anticyclone maintaining much about the same position in the evening, but slightly reduced in intensity, above 30·5 ins. A disturbance approaching the Norwegian coast, barometer falling below 28·8 ins. at Bodö.

Monday, 9th January, 1905.

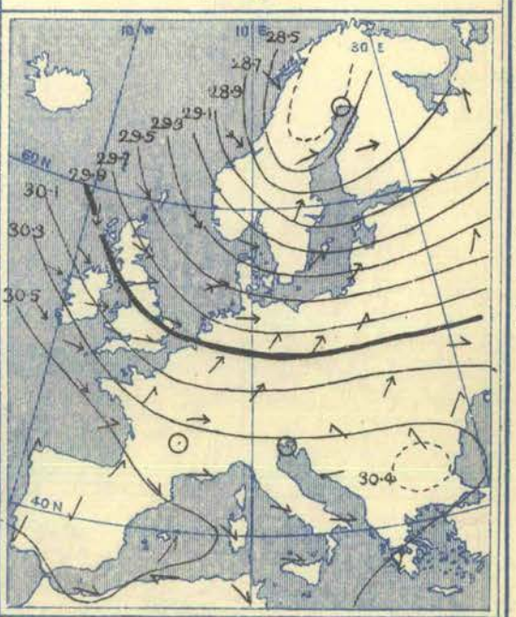
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning mostly fair or fine and clear over the southern half of Europe and North Africa, generally dull elsewhere, with rain in many parts of our Islands and locally in Scandinavia and on the Gulf of Finland, snow at Kuopio, hail or sleet in the north of Ireland and south of Scotland. A thunderstorm at Christiansund. Fog at Hangö and mist round Denmark. Rain extending later to some parts of France, Germany, and Denmark, but with the exception of 0·8 in. at Fanö no important falls registered.

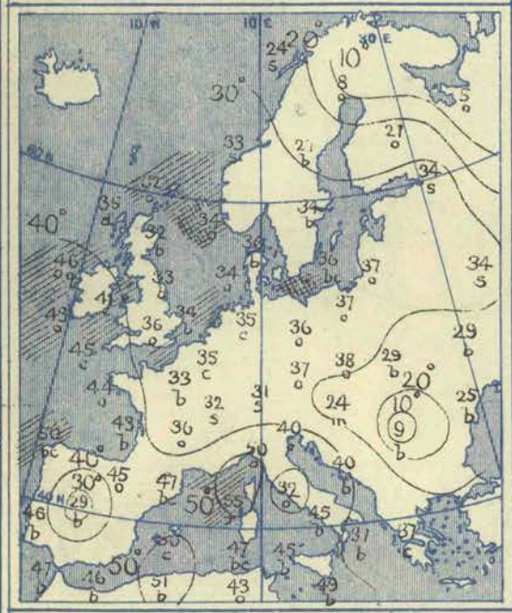
Temperature at 8 a.m. fallen decidedly over our Islands and south-eastern Russia, risen very decidedly over Sweden and northern Russia, less marked changes elsewhere. Values ranging from 57° at La Calle, 56° at Biarritz, 55° at San Fernando, and 50° at several stations in the south of England, to 34° at Nairn, 30° at Florence, 8° at Nicolaieff, 4° at Moscow, 1° at Charkov, and −2° at Archangel. In the course of the day rising to 68° at Biskra, 66° at La Calle, 64° at Alicante, 54° at Jersey, 52° at Plymouth and in London, 37° at Aberdeen, Wick, and Sumburgh Head, 34° at Lemberg, 32° at Hermanstadt, 27° at Haparanda, and 25° at St. Petersburg.

Wind in morning mainly Northerly to Easterly over southern Europe and Tunisia, strong to a gale in Sicily and further south; generally South-Westerly to Westerly in most other regions, strong to a gale over our Islands and thence to the Baltic and southern Scandinavia. Later becoming light and variable in the Mediterranean districts, the South-Westerly gale further north spreading to Austrian Poland.

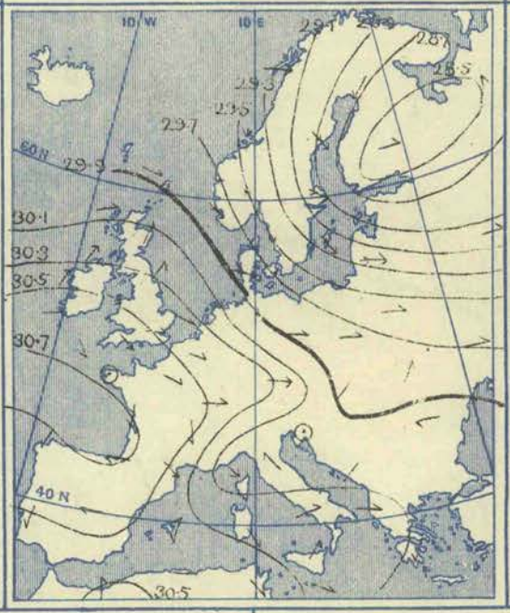
Barometer in morning highest, above 30·5 ins. over North Italy and thence across the western Mediterranean to North Africa. Lowest, below 28·5 ins. in a depression on the Arctic Circle advancing towards the Norwegian coast. During the day the southern high pressure system moving westward to the Spanish Peninsula, barometer 30·6 ins. at Oporto; the northern disturbance keeping on an easterly course across Scandinavia and deepening, barometer 28·4 ins. at Haparanda.

Tuesday, 10th January, 1905.

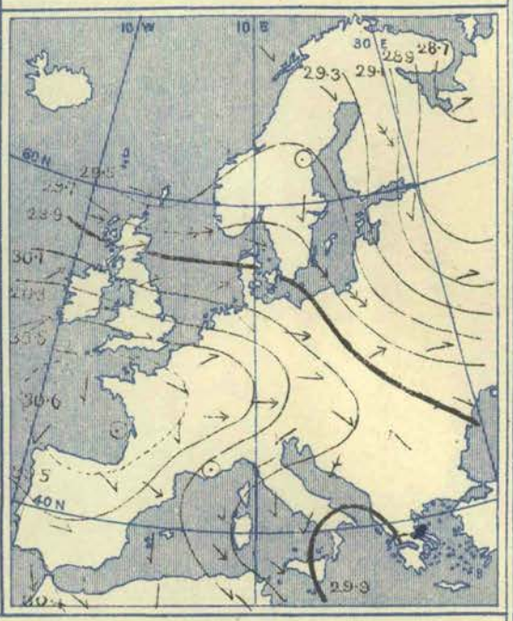
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in many parts of our Islands, central, and southern Europe, and Sweden; cloudy or overcast elsewhere, with showers on our most north-west coasts, snow in several parts of Russia, Norway, and also at Munich and Belfort. Nearly an inch of rain falling later in the Shetlands and Hebrides, and slight amounts at a few of our other stations. Some rain or snow experienced in various regions of the Continent.

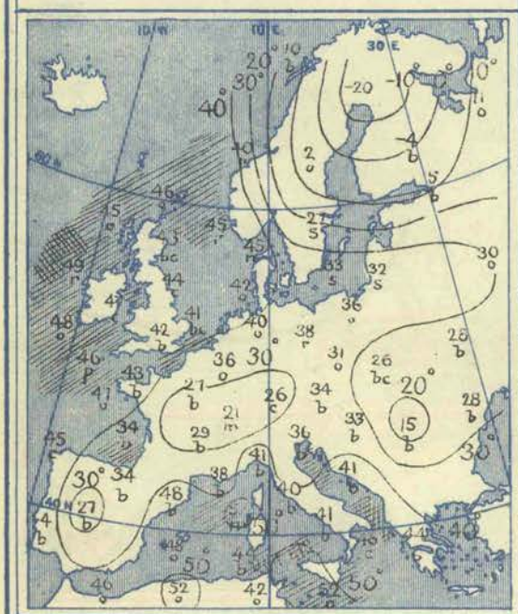
Temperature changed irregularly. Morning readings highest, 51° at Algiers, 49° at Malta, 46° at Blacksod Point. Lowest, (1) 5° at Archangel, 8° at Haparanda, (2) 9° at Hermanstadt, (3) 29° at Madrid, (4) 32° at Rome, 37° at Brindisi and Athens. Maxima during day between 45° and 50° in most parts of our Islands, above 50° in some of the southern parts of the Continent, and 66° at Algiers. Severe frost continuing over the north-east of Europe, and thermometer only touching 30° at Hermanstadt.

Wind at 8 a.m. showing two cyclonic circulations, one over the northern countries and the other around the Gulf of Genoa. North-Westerly current blowing a fresh or strong gale over Scandinavia, Denmark, and the Baltic, and North-Westerly to Westerly winds blowing a slight gale in the south of France and Corsica. Strong South-Westerly to Westerly winds over the United Kingdom. Some decrease taking place in the force of the wind over Scandinavia later, but an increase over our Islands. Backing towards South at Valencia Island.

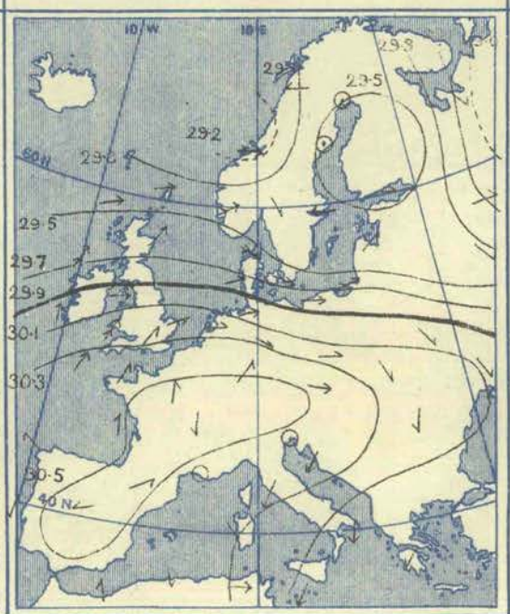
Barometer at 8 a.m. ranging from above 30·7 ins. in an anticyclone centred over the Bay of Biscay to 28·5 ins. and less in a very large and deep depression over Finland. Below 30·0 ins. in another disturbance over the Gulf of Genoa. Finnish disturbance travelling away eastwards later, and that over the Gulf of Genoa apparently moving south-eastwards. Another depression from the Atlantic approaching our north-west coasts.

Wednesday, 11th January, 1905.

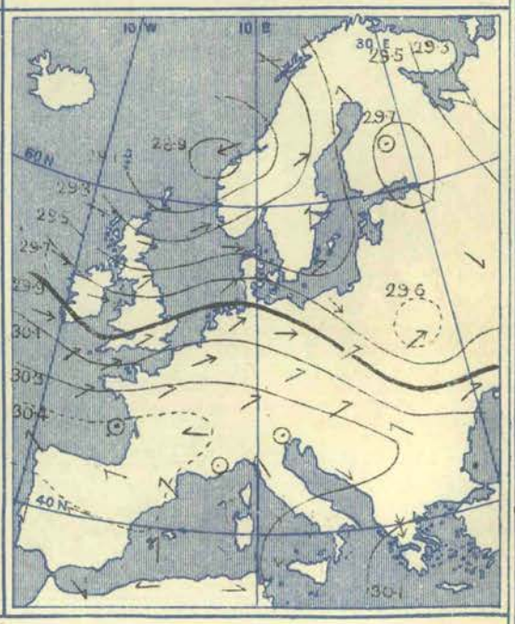
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright as a whole, but dull in several parts of northern Europe and Germany, and showery on our own north-west coasts. Rain or snow falling in various parts of Scandinavia and North Germany. Slight precipitation occurring later in all the more northern regions; amounts very small over the east and south of England.

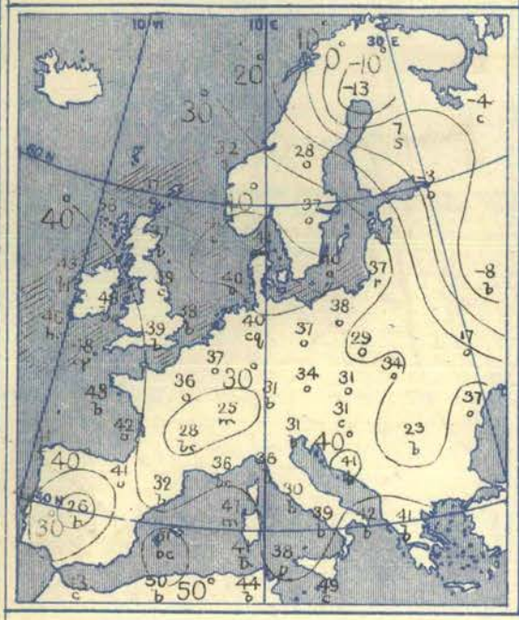
Temperature risen over our Islands, Denmark, and Norway, fallen in most other regions—quickly in Finland and Sweden. Morning readings highest, 52° at Malta and Algiers, 49° at Blacksod Point. Lowest, (1) −20° at Haparanda, +5° at Kuopio, (2) 15° at Hermanstadt, (3) 21° at Belfort, 27° at Paris and Limoges, (4) 27° at Madrid. Maxima during day between 48° and 50° at most of our own stations, a little higher in a few parts of southern Europe, and as high as 64° at La Calle and Sfax. Frost continuing extremely severe in the north and east. Maximum at Haparanda 4° below zero.

Wind at 8 a.m. South-Westerly over our Islands, strong to a gale in the west; Westerly gales in Norway, Denmark, and North Germany, and strong Northerly winds or gales in Italy and its neighbourhood. Veering to the Westward later over the United Kingdom, and wind subsiding somewhat in force both over northern and southern Europe.

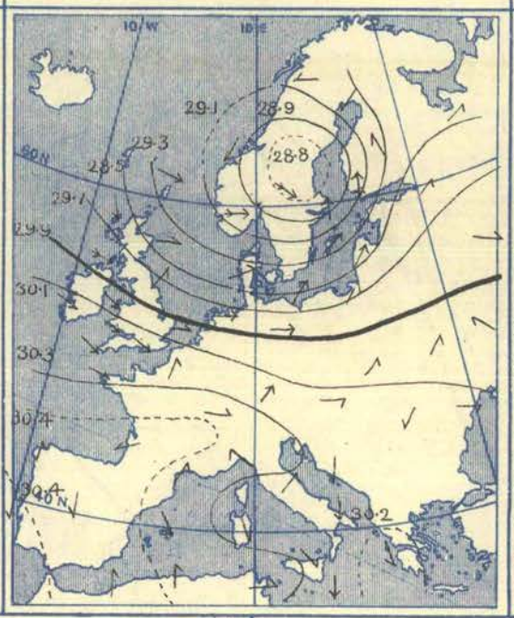
Barometer at 8 a.m. ranging from 30·4 ins. to above 30·5 ins. in an anticyclone embracing the most south-western regions, to less than 30·0 ins. over Greece, to 29·17 ins. at Christiansund, and to below 29·0 ins. over the north-east of Russia. Depression in the north-west of Norway moving south-eastwards later, and a considerable modification in the general distribution of pressure taking place over our area as a whole.

Thursday, 12th January, 1905.

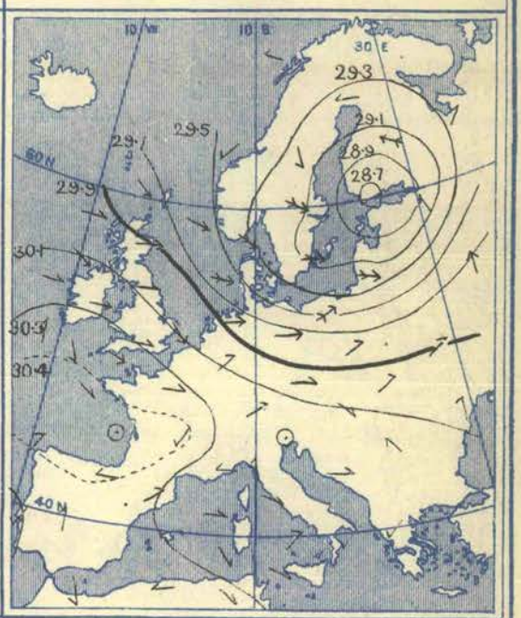
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very rough over northern Europe and the Baltic, with snow in several places. Fine and bright in many parts of southern Europe and the United Kingdom, but showers of rain at some of our western stations and of hail or snow in the north of Scotland. Some snow falling in the northern countries during day, but the conditions remaining fair as a whole.

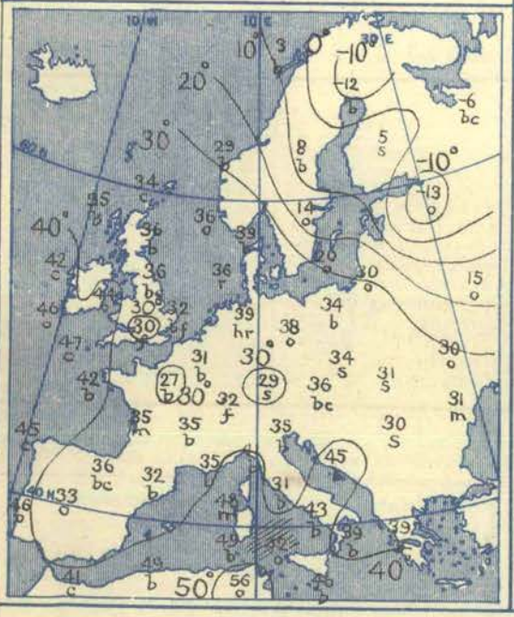
Temperature fallen generally, but risen over Finland, Sweden, and France. Morning readings highest, 51° at Palma, 49° or 48° on the coast of Brittany and at Scilly, and 46° at Valencia Island. Lowest, (1) −13° at Haparanda, −8° at Moscow, −4° at Archangel, and +3° at St. Petersburg, (2) 25° at Belfort, 28° at Turin and Florence, 30° at Rome, (3) 26° at Madrid. Rising later to 52° at Jersey, to about the same value in some of the most southern regions, and to 61° at Algiers.

Wind at 8 a.m. showing a cyclonic circulation, strong, to a strong gale, over the north of Europe, and fresh or strong North-Westerly and Westerly winds or slight gales over our Islands. Light to moderate and rather variable winds prevailing over the Mediterranean. Scarcely any change of importance occurring later.

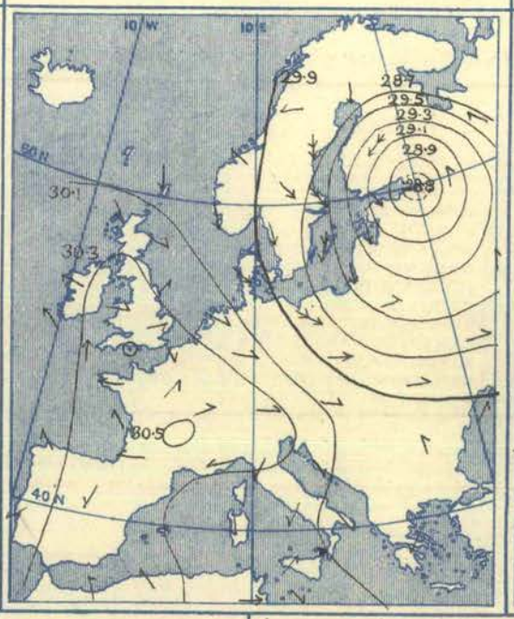
Barometer in morning ranging from above 30·4 ins. in an anticyclone covering most of the Spanish Peninsula and a good part of France to 28·8 ins. and less in a large depression over Scandinavia. Latter system travelling eastwards to Finland during day, and at the same time growing deeper. Anticyclonic system in the south moving northwards over the Bay of Biscay.

Friday, 13th January, 1905.

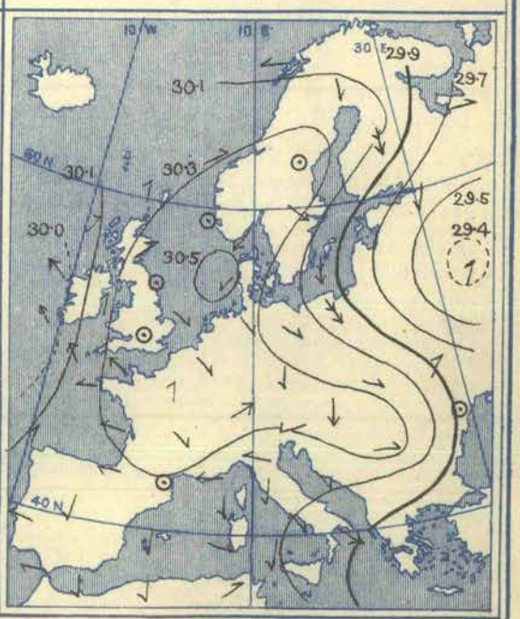
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the western half of our area, cloudy or overcast elsewhere, with snow in several parts of Finland and Poland, and also at Munich and Hermanstadt. A little rain falling in the west of Ireland during day, and snow continuing in some Continental regions, but weather remaining dry generally.

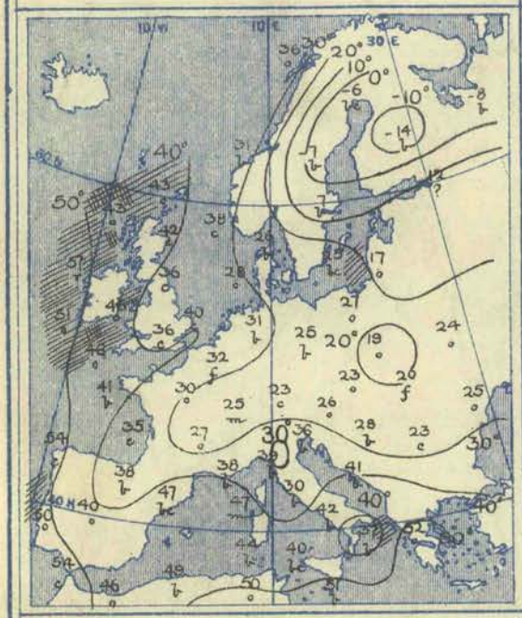
Temperature fallen except at a few southern stations. Morning readings highest, 56° at La Calle, 49° at Algiers, and 48° at Roche's Point. Lowest, (1) −18° at St. Petersburg, −12° at Haparanda, −6° at Archangel, 15° at Moscow, (2) 27° at Paris, 30° at Turin, 31° at Rome, (3) 25° at Bath, 30° in London, (4) 33° at Madrid. Only rising to 38° and 39° respectively in London and at Paris, but touching 52° at Valencia Island, and about 60° at San Fernando and Palma. Maximum at St. Petersburg 0° (zero).

Wind at 8 a.m. showing two distinct circulations—a cyclonic movement, strong to a gale, over the north and east of Europe, and a light to moderate anticyclonic movement over the more south-western regions. Gales in the north mostly subsiding later, but strong Southerly and South-Easterly winds and gales setting in over Ireland and Wales.

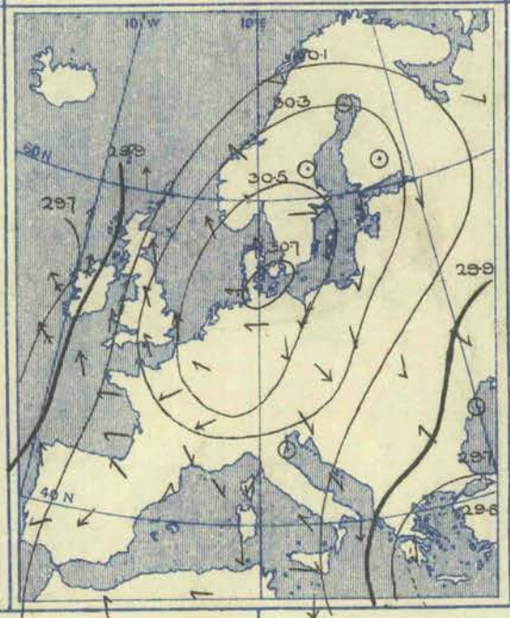
Barometer in morning ranging from above 30·4 ins. in an anticyclone having its centre over France to below 28·8 ins. in a very extensive and deep depression centred near St. Petersburg. Former system moving north-eastwards during day, and the latter south-eastwards towards Moscow and becoming less deep. A decided baric fall commencing in Ireland, and gradients increasing considerably on our western coasts.

Saturday, 14th January, 1905.

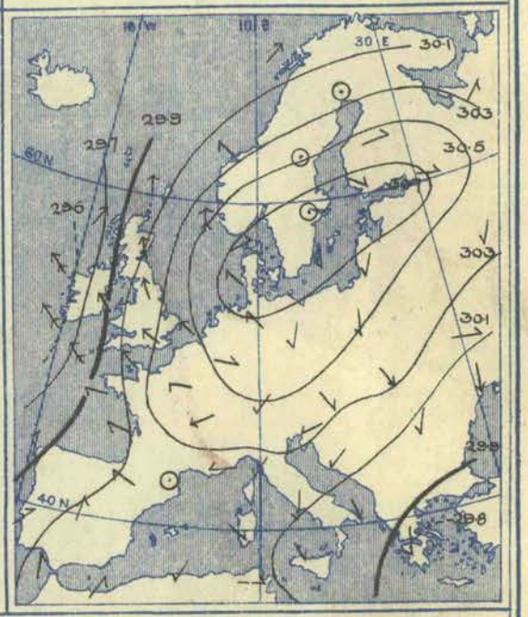
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast in a few places and rainy in the west of Ireland, but fine and bright over our area as a whole. Heavy rain experienced in Ireland during day and a considerable amount in Portugal. Some snow falling in Poland and also at Brindisi. Weather remaining fine and dry over our area generally.

Temperature risen over our Islands and Norway, the Spanish Peninsula, and at St. Petersburg, fallen elsewhere. Morning readings highest, 54° at San Fernando and Corunna and 51° at Malta and in the west of Ireland. Lowest, (1) −14° at Kuopio, −8° at Archangel, +7° at Stockholm, (2) 23° at Hermanstadt and Munich, 25° at Belfort, 27° at Florence, and 30° at Rome, (3) 32° at Nottingham. Rising later to 54° in the west of Ireland, to a few degrees higher at some of the Mediterranean stations, and to 68° at Biarritz. Severe frost continuing in northern and central Europe.

Wind at 8 a.m. strong to a gale from South or South-East on our own western coasts, and moderate or fresh from the same direction over our Islands generally. Northerly over the eastern part of our area and blowing with the force of a strong gale on the North German coast. Wind increasing to a gale in most parts of our Islands by the evening or during the night and also on the west coast of Norway.

Barometer in morning ranging from above 30·7 ins. in an anticyclone centred near Copenhagen to less than 29·7 ins. off the west coast of Ireland, and to below 29·6 ins. over Greece. Barometer falling steadily over our Islands and France during day, and gradients for Southerly and South-Easterly winds increasing considerably. Anticyclone increasing somewhat in intensity and extending eastwards.

IV.—GENERAL NOTES, etc.

The week was remarkable for a series of very large and deep and rapidly travelling disturbances which passed in a general easterly direction over the northern regions of the Continent. The changes in pressure were unusually large, a rise or fall of over an inch being shown almost every day. The highest pressure was at first found over France and Germany, but it subsequently retreated to the south and south-west of Europe for a time, and afterwards moved north-eastwards to Denmark. The northern depressions were attended by gales or very strong winds, which sometimes extended to the United Kingdom. Over the Mediterranean and the south of Europe the wind was mostly light, but on Tuesday the Riviera and its vicinity experienced a strong mistral. Temperature underwent great fluctuations over the northern countries of the Continent, but over the major portion of our area it gradually became rather low. Frosts were common even as far south as Italy. Snow or rain occurred frequently in the northern parts of our area, but in the south the weather was almost continuously fine and bright.

By the end of the week a large low pressure system lay off the west of Ireland and, the barometer being highest over Denmark, strong winds or gales from South-East or South had set in over the United Kingdom.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 8.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	4·4	− 1·4	10	− 3	CROMER	29·0	—	54	—	BOGNOR	22·0	—	39	—
STRATHPEFFER SPA	10·2	+ 3·3	21	+ 7	LOWESTOFT	27·9	—	52	—	VENTNOR HOSPITAL	20·5	+ 9·7	36	+ 17
CRATHES	17·3	—	35	—	DUNMOW	26·0	—	47	—	BOURNEMOUTH	24·2	—	42	—
BALRUDDERY	12·3	—	25	—	SHEFFIELD	11·1	—	21	—	MARLBOROUGH	15·7	+ 6·7	28	+ 12
EDINBURGH	12·3	+ 5·6	25	+ 11	WORKSOP	9·9	+ 2·3	18	+ 4	SOUTHPORT	15·3	—	29	—
COCKLE PARK	18·3	—	37	—	THURCASTON	16·2	+ 7·8	30	+ 14	RHYL	12·9	—	24	—
NEWCASTLE-on-TYNE	7·8	—	15	—	MARGATE	17·5	+ 7·5	31	+ 13	ABERDOVEY	9·0	—	17	—
SALTBURN-by-the-SEA	? 11·1	—	? 22	—	BROADSTAIRS	—	—	—	—	TENBY	16·2	+ 3·7	30	+ 7
YORK	10·4	+ 4·1	20	+ 8	RAMSGATE	19·4	—	35	—	TORQUAY	21·8	+ 9·1	38	+ 16
SKEGNESS	26·7	—	49	—	EASTBOURNE	24·0	+ 12·0	42	+ 21	NEWQUAY	16·8	+ 5·2	30	+ 9
					BRIGHTON	17·4	+ 6·4	31	+ 11	GUERNSEY	21·0	+ 9·6	36	+ 17
					WORTHING	18·6	—	33	—					

Reports received too late for insertion in their proper places.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 1, page 6	Cromer	—	—	—	—	—	—	—	—	—	—	—	7·5	—	14	—
" " "	Tenby	—	—	—	—	—	—	—	—	—	—	—	6·3	− 5·4	12	− 10
" " "	Saltburn	—	—	—	—	—	—	—	—	—	—	—	? 5·6	—	? 11	—

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 3. THIRD WEEK, ENDING SATURDAY, JANUARY 21ST, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 14.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	55	26	43·5	34·7	39·3	2 above	4	− 2	28	− 9	24	+ 5	78	− 31
	1. SCOTLAND, EAST	48	19	39·9	30·3	35·3	2 below	0	− 7	47	+ 4	32	+ 11	96	− 31
	2. ENGLAND, N.E.	44	21	38·4	29·0	33·9	4 below	0	− 7	57	+19	23	+ 1	100	− 12
	3. ENGLAND, EAST	45	20	39·2	28·4	34·0	4 below	0	− 7	56	+14	18	− 4	116	− 8
	4. MIDLAND COUNTIES	44	12	36·9	24·7	31·0	7 below	0	− 9	77	+33	23	− 5	123	− 5
	5. ENGLAND, SOUTH	47	18	40·9	29·4	35·4	4 below	0	−12	46	+12	23	− 14	97	− 1
Principal Grazing Districts.	6. SCOTLAND, WEST	47	25	42·1	32·3	37·4	2 below	0	−10	35	+ 4	31	0	60	− 30
	7. ENGLAND, N.W.	48	19	38·8	29·2	34·2	5 below	0	− 9	55	+24	39	+ 11	71	− 19
	8. ENGLAND, S.W.	49	11	42·2	31·6	37·1	4 below	1	−14	38	+14	38	− 9	56	− 13
	9. IRELAND, NORTH	51	29	43·1	36·1	39·7	0 (average	3	−19	22	− 5	48	+ 8	44	− 35
	10. IRELAND SOUTH	52	28	46·2	38·1	42·3	0 (average)	18	− 2	11	−10	84	+ 23	20	− 42
	— CHANNEL ISLANDS	51	32	47·0	38·3	42·8	1 below	21	− 2	10	− 1	78	+ 7	13	− 18

Rainfall.

	DISTRICTS. (See p. 14.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	3	8 less	15	0	4·3	+ 0·9
	1. SCOTLAND, EAST	1	1	5 less	9	− 3	0·9	− 1·0
	2. ENGLAND, N.E.	2	1	3 less	7	− 4	0·3	− 1·0
	3. ENGLAND, EAST	2	4	0 (average)	9	− 3	0·8	− 0·5
	4. MIDLAND COUNTIES	2	2	3 less	10	− 1	0·8	− 0·8
	5. ENGLAND, SOUTH	1	7	1 more	8	− 3	1·2	− 0·6
Principal Grazing Districts.	6. SCOTLAND, WEST	3	6	6 less	14	0	2·9	− 0·7
	7. ENGLAND, N.W.	2	3	4 less	12	0	1·6	− 0·6
	8. ENGLAND, S.W.	3	7	2 less	10	− 3	1·6	− 1·1
	9. IRELAND, NORTH	4	8	1 more	15	0	2·4	+ 0·1
	10. IRELAND, SOUTH	4	11	2 more	13	− 1	2·6	− 0·3
	— CHANNEL ISLANDS	4	8	0 (average)	12	− 2	1·5	− 0·9

Bright Sunshine.

	DISTRICTS. (See p. 14.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	9	+ 3	18	+ 6	16	− 1	11	− 1
	1. SCOTLAND, EAST	8	− 2	16	− 4	28	− 1	19	− 1
	2. ENGLAND, N.E.	13	− 3	23	− 5	37	− 3	23	− 2
	3. ENGLAND, EAST	19	+ 8	33	+14	52	+ 21	32	+13
	4. MIDLAND COUNTIES	15	+ 7	27	+12	36	+ 10	22	+ 6
	5. ENGLAND, SOUTH	19	+ 8	32	+15	46	+ 14	27	+ 8
Principal Grazing Districts.	6. SCOTLAND, WEST	10	− 3	19	− 6	25	− 5	16	− 3
	7. ENGLAND, N.W.	10	− 2	19	− 3	23	− 2	14	− 2
	8. ENGLAND, S.W.	18	+ 6	30	+ 9	38	+ 4	22	+ 2
	9. IRELAND, NORTH	12	+ 1	21	+ 2	17	− 12	11	− 8
	10. IRELAND, SOUTH	9	− 4	16	− 7	21	− 15	13	− 9
	— CHANNEL ISLANDS	20	+ 6	33	+10	48	+ 8	27	+ 5

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based onthe records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was extremely rough, squally, and unsettled during the first two days of the week. The atmosphere was unusually dry on Sunday; at Aspatria the relative humidity at 9 a.m. was as low as 52%, but on Monday the humidity increased and heavy falls of snow, sleet, hail, or rain were experienced generally. Later on the conditions became much fairer and quieter. Slight but distinct shocks of earthquake are reported to have occurred at Newquay at 1·50 a.m. on Friday.

Temperature was above the mean in Scotland N. and just equal to it in Ireland, but in all other parts of the Kingdom it was below, the deficit being 5° in England N.W. and as much as 7° in the Midland Counties. Both the highest and lowest temperatures of the week were recorded on rather irregular dates. The former ranged from 55° in Scotland N. (at Glencarron) and 52° in Ireland S. to 44° in England N.E. and the Midland Counties, while the latter varied from 11° in England S.W. and 12° in the Midland Counties to 29° in Ireland N. and 32° in the Channel Islands. During the gale that swept over the country on Monday the maxima were unusually low; in London the highest reading recorded up to 6 p.m. was 26°.

Rainfall was considerably less than the mean generally, but just equal to it in England E. and the Channel Islands, and slightly in excess in England S. and in Ireland.

Bright Sunshine exceeded the mean in most districts, especially over England. The percentage of the possible duration ranged from 33 in the Channel Islands and England E., 32 in England S., and 30 in England S.W., to 16 in Scotland E. and Ireland S.

Barometer and Wind. During the earlier days of the week a very deep and large depression spread over our Islands from the Atlantic and caused a severe and general gale from between South and East. It subsequently passed northward and lost much of its intensity, and, until late in the week, no other depressions appeared in our immediate neighbourhood. By Friday, however, another disturbance appeared some distance off our western coasts, and causing a fall of the barometer in the west and south-west, rendered the baric gradient sufficiently steep for a fresh or strong South-Easterly gale to be experienced in Ireland.

3284 Wy. & S. Ltd.
370 1 | 05

II.—DATA from which the SUMMARY on page 13 has been calculated.

Districts. Jan. 15-21, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	45	35	42·7	37·6	40·3	+ 1·2	2	17	4	0·35	− 0·51	*	*	*	*
	Stornoway	47	30	44·3	37·4	41·0	+ 2·2	6	19	3	0·33	− 0·75	3·3	− 3·6	7	− 7
	Wick	45	34	43·1	36·3	39·8	+ 2·2	3	21	3	0·13	− 0·37	*	*	*	*
	Lairg Ⓢ	49	26	41·9	30·1	36·2	+ 1·1	0	41	2	0·06	− 0·74	*	*	*	*
	Glencarron Ⓢ	55	28	45·5	33·2	39·6	+ 2·4	10	35	1	0·34	− 1·87	*	*	*	*
	Fort Augustus Ⓢ	47	30	43·5	33·5	38·7	+ 0·6	4	32	2	0·27	− 0·79	12·6	+ 8·8	25	+ 17
1. SCOTLAND, E.	Nairn	48	26	42·3	32·4	37·6	+ 0·2	1	36	0	0·00	− 0·44	*	*	*	*
	Aberdeen	43	29	41·9	34·7	38·4	+ 0·8	0	25	2	0·19	− 0·33	9·6	− 2·1	19	− 4
	Braemar Ⓢ	40	19	37·3	27·1	32·4	− 1·9	0	67	2	0·13	− 0·55	*	*	*	*
	Clathick Ⓢ	43	28	38·4	29·9	34·3	− 2·5	0	54	3	0·27	− 0·79	*	*	*	*
	Leith	43	28	40·7	30·6	35·9	− 3·0	0	43	1	0·04	− 0·36	*	*	*	*
	Marchmont Ⓢ	42	20	38·7	26·9	33·0	− 3·5	0	63	0	0·00	− 0·60	8·4	− 1·6	16	− 3
2. ENGLAND, N.E.	Alnwick Castle	42	25	39·3	29·9	34·8	− 3·0	0	50	1	0·12	− 0·37	*	*	*	*
	Durham	44	23	38·3	28·0	33·4	− 3·5	0	60	1	0·08	− 0·35	5·8	− 4·9	11	− 9
	Shields	42	27	39·7	30·0	35·0	− 3·5	0	49	2	0·04	− 0·36	*	*	*	*
	Scarborough Ⓜ	43	30	39·8	31·5	35·8	− 2·5	0	43	4	0·16	− 0·29	15·7	—	29	—
	Spurn Head	41	28	39·4	30·7	35·2	− 2·9	0	48	1	0·03	− 0·26	*	*	*	*
	Lincoln	40	22	36·1	25·9	31·2	− 5·9	0	76	3	0·24	− 0·14	*	*	*	*
	Fulbeck	42	21	36·5	27·1	32·0	− 4·3	0	70	2	0·12	− 0·25	21·3	—	38	—
3. ENGLAND, E.	Hillington Ⓜ	45	22	38·5	27·6	33·3	− 3·6	0	61	2	0·51	+ 0·05	18·1	+ 7·5	32	+ 13
	Yarmouth	41	27	39·0	31·3	35·3	− 2·0	0	47	3	0·53	+ 0·10	*	*	*	*
	Geldeston	43	24	39·2	28·8	34·2	− 3·7	0	55	4	0·51	+ 0·15	16·2	+ 4·2	29	+ 8
	Cambridge	42	23	38·4	27·0	32·9	− 4·6	0	64	2	0·49	+ 0·15	21·5	+ 9·9	38	+ 17
	Felixstowe	41	22	39·1	28·4	34·0	− 4·3	0	56	1	0·36	—	23·7	—	42	—
	Clacton-on-Sea	42	25	39·9	30·6	35·4	− 3·8	0	46	2	0·19	—	20·8	—	37	—
	Rothamsted	43	20	39·4	24·8	32·4	− 4·8	0	67	2	0·58	+ 0·04	19·7	+ 9·2	35	+ 16
	Shoeburyness	41	24	39·7	28·4	34·3	− 4·2	0	54	1	0·20	− 0·13	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	40	22	35·5	25·0	30·5	− 6·4	0	81	3	0·17	− 0·39	11·8	—	22	—
	Bawtry (Hesley Hall)	42	14	36·4	22·3	29·6	− 7·9	0	87	1	0·17	− 0·23	*	*	*	*
	Nottingham	41	19	35·3	24·6	30·2	− 7·5	0	83	2	0·22	− 0·29	11·4	—	20	—
	Colly Weston (Stamford)	41	19	37·7	24·7	31·5	− 5·2	0	74	3	0·26	− 0·17	*	*	*	*
	Cheadle Ⓜ	40	21	35·4	25·2	30·5	− 6·1	0	81	2	0·24	− 0·34	*	*	*	*
	Birmingham (Edgbaston)	42	22	36·8	26·9	32·1	− 5·8	0	69	2	0·17	− 0·31	15·7	—	28	—
	Shrewsbury	44	19	39·9	25·2	32·8	− 5·6	0	64	1	0·18	—	*	*	*	*
	Hereford Ⓜ	43	12	36·2	21·7	29·2	− 9·3	0	90	1	0·39	− 0·17	*	*	*	*
	Cirencester	42	17	37·5	24·6	31·3	− 6·2	0	75	1	0·28	− 0·36	16·6	+ 5·5	29	+ 10
	Oxford	42	22	37·9	26·4	32·4	− 5·9	0	67	2	0·12	− 0·33	15·1	+ 4·4	27	+ 8
	Westminster	45	23	41·1	27·9	34·8	− 4·2	0	50	1	0·58	—	4·8	+ 0·5	8	+ 1
5. ENGLAND, S.	London (Brixton)	44	23	40·0	26·9	33·7	− 5·1	0	58	1	0·60	+ 0·17	8·2‡	+ 2·3‡	14‡	+ 4‡
	Wisley (Surrey)	45	24	40·2	27·8	34·3	− 4·6	0	54	1	0·74	—	16·2	—	28	—
	Swarraton (Alresford) Ⓜ	43	18	39·4	26·0	33·0	− 4·5	0	63	1	0·29	− 0·40	*	*	*	*
	Tunbridge Wells Ⓜ	43	21	39·2	26·6	33·2	− 4·3	0	62	1	0·70	—	22·5	—	39	—
	Dungeness	45	23	41·0	27·9	34·7	− 4·5	0	51	1	1·09	+ 0·69	22·0	—	38	—
	Hastings (St. Leonards)	45	23	41·2	31·5	36·5	− 3·0	0	39	1	0·50	− 0·10	22·9	+ 9·1	40	+ 16
	Southampton	46	26	42·5	30·6	36·8	− 3·0	1	42	1	0·76	+ 0·08	19·6	+ 8·1	34	+ 14
	Portland Bill	47	35	43·7	37·0	40·5	− 1·0	5	20	2	0·64	—	*	*	*	*
	Shaftesbury Ⓜ	46	27	41·3	30·1	35·9	− 1·6	0	43	3	0·61	− 0·05	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	47	32	44·7	36·1	40·6	+ 0·7	8	24	3	1·14	− 0·69	*	*	*	*
	Glasgow	44	28	40·7	32·8	36·9	− 1·6	0	36	3	0·29	− 0·55	3·8	− 1·9	7	− 4
	Cally Ⓢ	45	25	41·8	29·3	35·8	− 2·5	0	43	4	0·88	− 0·17	*	*	*	*
	Aspatria	44	26	39·8	30·6	35·4	− 2·0	0	46	2	0·32	—	19·9	—	37	—
	Douglas (Isle of Man)	47	29	43·3	32·9	38·3	− 2·3	4	34	5	0·49	− 0·46	6·9	− 4·7	13	− 9
7. ENGLAND, N.W.	Newton Rigg	41	19	37·5	25·7	31·8	− 3·8	0	71	2	0·16	—	15·6	—	29	—
	Stonyhurst	40	24	36·7	28·6	32·8	− 4·9	0	64	2	0·21	− 0·70	4·8	− 3·2	9	− 6
	Blackpool Ⓜ	43	24	38·0	28·4	33·4	− 4·9	0	60	3	0·23	− 0·42	5·9	− 2·7	11	− 5
	Manchester (Prestwich)	42	23	37·5	27·7	32·8	− 5·2	0	64	3	0·25	− 0·44	4·6	—	8	—
	Liverpool Obsy. (Bidston)	42	23	37·1	28·1	32·8	− 6·5	0	64	2	0·29	− 0·21	8·8	—	16	—
	Chester (Hawarden Bridge)	44	24	38·2	28·0	33·3	− 6·4	0	61	1	0·12	—	*	*	*	*
	Llandudno Ⓜ	48	26	41·6	33·3	37·6	− 3·7	0	31	2	0·52	− 0·12	11·9	+ 1·1	21	+ 2
	Holyhead	46	31	42·3	34·7	38·7	− 3·3	1	27	3	0·46	− 0·30	*	*	*	*
	Bettws-y-Coed	45	23	39·9	28·1	34·2	− 7·0	0	55	2	0·50	—	10·5	—	19	—
8. ENGLAND, S.W.	Llangammarch Wells	41	11	36·4	23·2	30·1	− 8·5	0	83	1	0·38	—	15·8	—	28	—
	Pembroke	48	37	44·9	39·1	42·1	− 0·3	13	8	4	0·68	− 0·18	18·7	+ 6·1	33	+ 11
	Cardiff	45	20	39·8	27·8	34·0	− 7·1	0	56	3	0·40	—	*	*	*	*
	Clifton	44	26	42·2	29·8	36·3	− 3·3	1	45	1	0·14	− 0·63	*	*	*	*
	Bath	45	20	39·9	27·6	34·0	− 6·1	0	56	2	0·23	− 0·42	18·4	—	32	—
	Arlington (N. Devon)	45	28	41·9	32·6	37·4	− 2·7	0	32	4	0·69	− 0·37	*	*	*	*
	Cullompton Ⓜ	46	23	42·7	30·3	36·8	− 3·1	2	44	3	0·67	− 0·07	16·1	+ 5·7	28	+ 10
	Falmouth	49	35	45·9	38·9	42·5	− 0·9	17	9	3	1·29	+ 0·15	17·4	+ 4·3	30	+ 7
	Plymouth	49	29	45·7	35·3	40·7	− 1·3	10	27	4	1·73	+ 0·88	17·1	+ 5·3	29	+ 9
9. IRELAND, N.	Malin Head	48	30	42·1	35·3	38·8	− 2·6	0	24	4	0·35	− 0·21	*	*	*	*
	Edenfel (Omagh)	48	31	41·4	34·4	38·0	+ 0·2	0	28	4	1·42	+ 0·66	*	*	*	*
	Blacksod Point	51	36	46·0	39·6	42·9	+ 0·2	16	7	5	1·24	+ 0·18	*	*	*	*
	Markree Castle	50	29	44·2	37·0	40·7	+ 1·2	6	20	4	0·89	+ 0·07	12·0	+ 2·0	22	+ 4
	Armagh	49	32	42·5	34·7	38·8	− 0·1	1	27	4	0·91	+ 0·31	11·2	+ 0·5	20	+ 1
	Donaghadee	47	30	42·4	35·3	39·0	− 1·5	1	25	4	0·20	− 0·42	*	*	*	*
10. IRELAND, S.	Dublin	49	32	44·0	36·0	40·2	− 1·5	6	24	3	1·10	+ 0·61	11·7	− 1·8	21	− 3
	Birr Castle	50	31	44·4	36·4	40·6	+ 0·9	7	23	4	0·98	+ 0·33	12·6	+ 0·6	23	+ 1
	Kilkenny	50	30	44·1	36·4	40·4	− 0·5	6	22	4	1·46	+ 0·71	*	*	*	*
	Waterford	52	28	46·7	37·0	42·0	+ 1·0	13	14	3	1·15	+ 0·19	*	*	*	*
	Roche's Point	50	33	47·7	41·1	44·5	+ 1·0	21	3	4	0·77	− 0·37	*	*	*	*
	Valencia	51	32	48·6	40·1	44·5	− 0·1	25	5	6	1·00	− 0·36	2·5	− 10·0	4	− 18
	Killarney	52	32	47·7	39·9	44·0	+ 0·8	23	6	4	1·24	− 0·15	*	*	*	*
	Foynes	51	34	46·5	38·0	42·4	+ 0·9	20	11	4	1·17	+ 0·39	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	51	38	48·6	41·1	45·0	− 0·7	25	3	3	0·36	− 0·44	18·5	+ 4·8	31	+ 8
	Jersey (St. Aubyn's)	49	32	45·3	35·4	40·6	− 1·8	9	27	5	1·20	+ 0·50	23·1	+ 7·5	39	+ 13

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

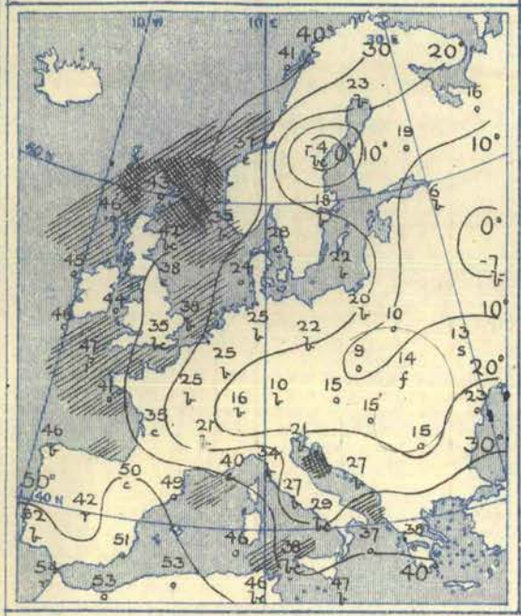
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 33 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

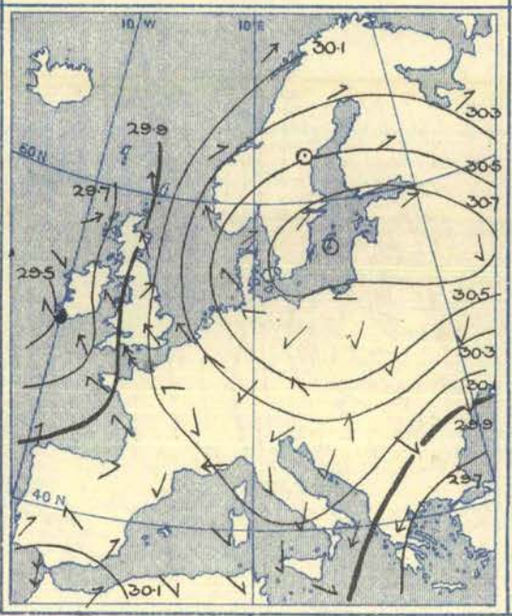
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 15th January, 1905.

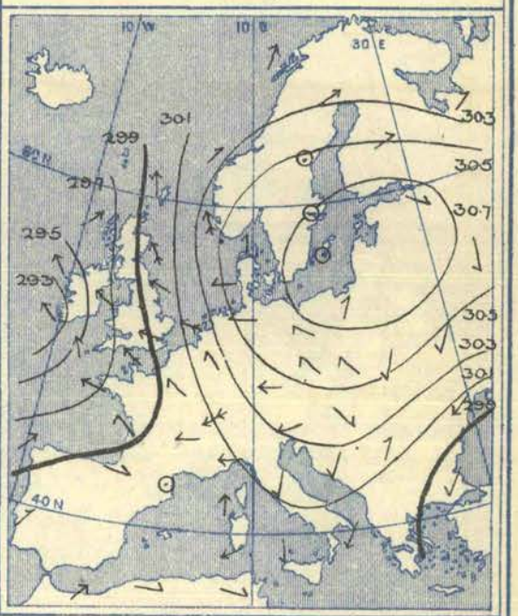
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the greater part of our area, but overcast, with snow, in the south of Russia, and dull and rainy at some Spanish and Irish stations. Rain or snow falling later in several parts of France and central Europe and also on our own western coasts.

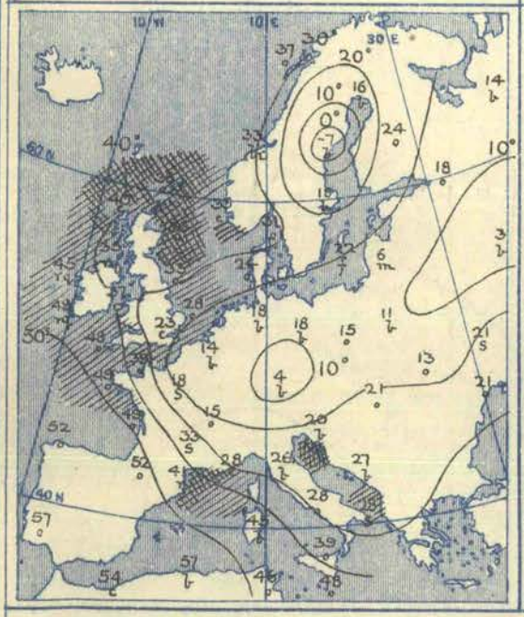
Temperature risen rapidly in the most northern countries and in the south-west of France, fallen elsewhere. Morning readings highest, 56° at Biarritz, 53° at Algiers, 49° at Roche's Point. Lowest, (1) −7° at Moscow, −4° at Hernösand, +9° at Cracow, 10° at Munich, (2) 21° at Lyons and Trieste, 27° at Rome, 29° at Naples, (3) 34° or 35° over central England. Thermometer continuing much below freezing point all day over the major portion of Europe, but rising to 51° at Scilly, to a rather higher figure at some of the most southern stations, and to above 60° in Algeria. Maximum at Pesaro only 32°.

Wind at 8 a.m. showing a vast anticyclonic movement over the Continent, strong South-Easterly winds or gales over the United Kingdom and its neighbourhood, and strong Northerly winds over Italy and Greece. Little change later as a whole, but gale becoming more general over our Islands and from a more Easterly point on our south and south-east coasts.

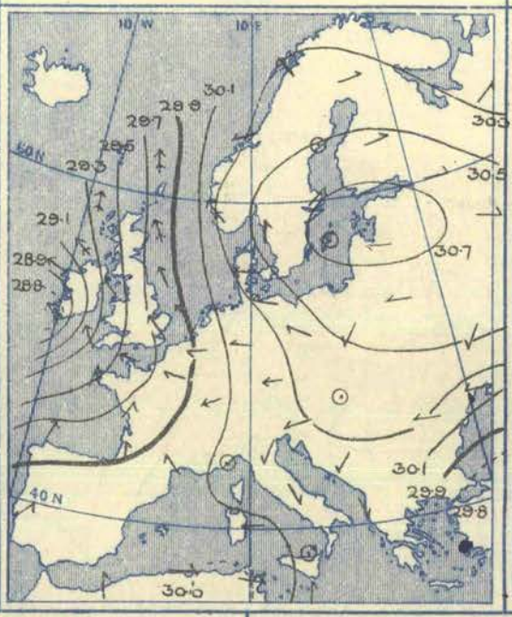
Barometer at 8 a.m. ranging from above 30·7 ins. over the Baltic and the adjacent portion of Russia to less than 29·7 ins. in Greece, and to below 29·5 ins. off the west of Ireland. Gradients steep in all the western countries. Pressure decreasing decidedly over our western and southern districts during day, and gradients over the United Kingdom increasing in depth.

Monday, 16th January, 1905.

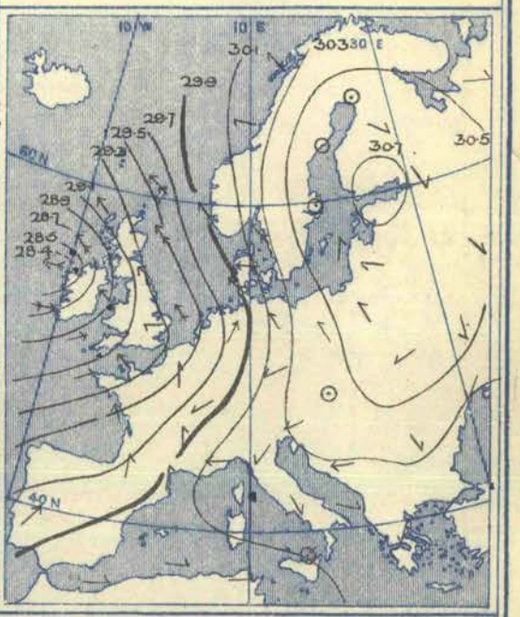
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. extremely cold and rough over the United Kingdom and the adjacent parts of the Continent, with snow or rain in several French localities and rain or sleet in Ireland. Fine and bright in most eastern and northern regions, but snow falling at Kiev. Dull in most parts of central and southern Europe, with snow at Vienna, Pesaro, and Brindisi. Heavy snow, sleet, or rain over our Islands later, and larger quantities of rain over France. More than an inch at Jersey and Dungeness and 2·4 ins. at Rochefort.

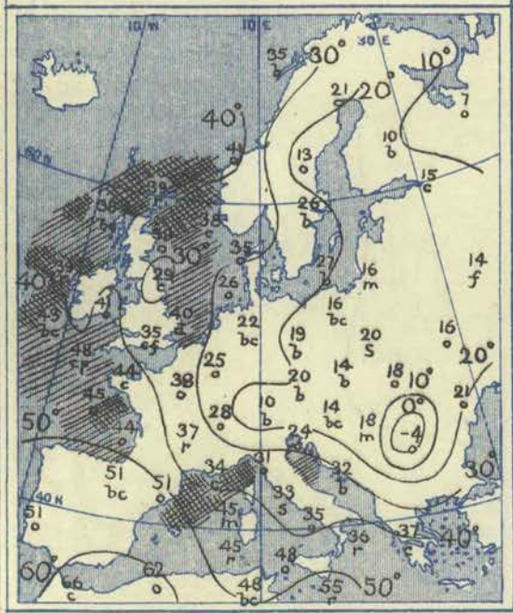
Temperature fallen except in the north-east and south-west of our area. Morning readings ranging from 57° at Algiers and Lisbon to below 30° over the greater part of Europe, to 4° at Munich, 3° at Moscow, and to −7° at Hernösand. Rising no higher than 26° all day in London, but touching 45° during the night. Maximum, 29° at Liverpool, 31° at Nottingham, 57° at Biarritz, and 68° at Nemours. Frost continuing uninterruptedly over central and north-eastern Europe.

Wind at 8 a.m. blowing a fresh or strong gale from South-East over the United Kingdom and its immediate neighbourhood, but light and anticyclonic over the eastern half of our area. Moderate to strong winds from various directions prevailing over the Mediterranean. Gale subsiding on our south and south-east coasts by evening and wind shifting to South-Westward. Increasing in force on our north-west coasts, a "storm" being reported from Malin Head.

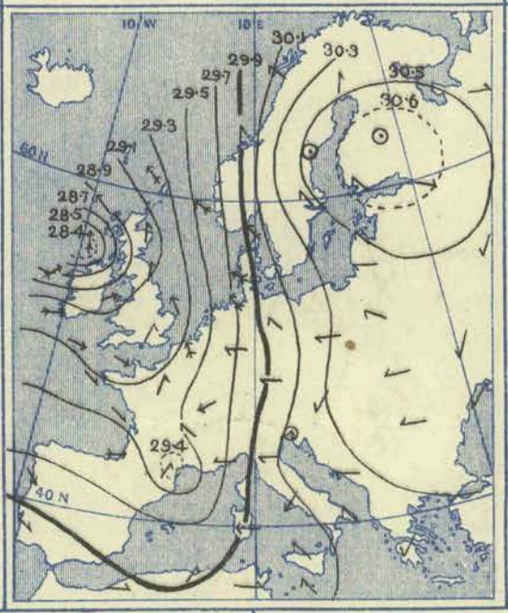
Barometer at 8 a.m. ranging from above 30·7 ins. in an anticyclone centred over the Baltic Provinces of Russia to less than 29·8 ins. in a depression over Asia Minor, and to below 28·8 ins. in a very large and deep disturbance off the south-west of Ireland. Gradients very steep over our Islands and the North Sea. Barometer continuing to fall briskly or very quickly over the United Kingdom; touching 27·99 ins. at Malin Head during the night. Centre of disturbance moving north-north-eastwards and a secondary minimum appearing over the south of England.

Tuesday, 17th January, 1905.

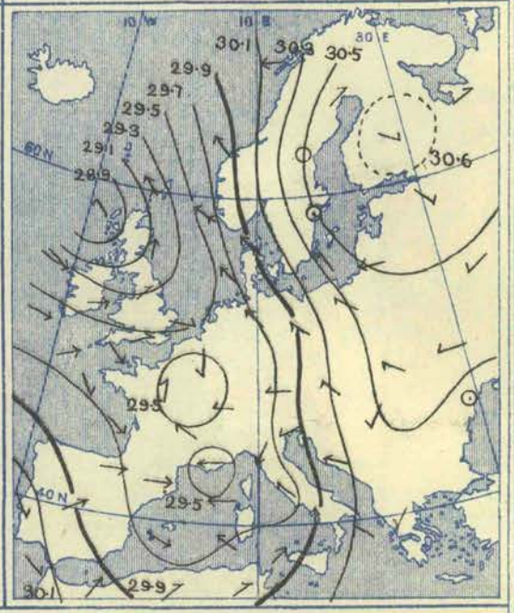
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. rough and rainy over our western and north-western districts; dull or cloudy in most other parts of our area, with rain in central France, at Cagliari and Malta, and snow at Nice and Pesaro. Rain falling later in Algeria and Tunisia, and snow or rain continuing in various parts of France and Italy—largest amounts, 1·0 in. at Lyons and 1·2 in. at Marseilles.

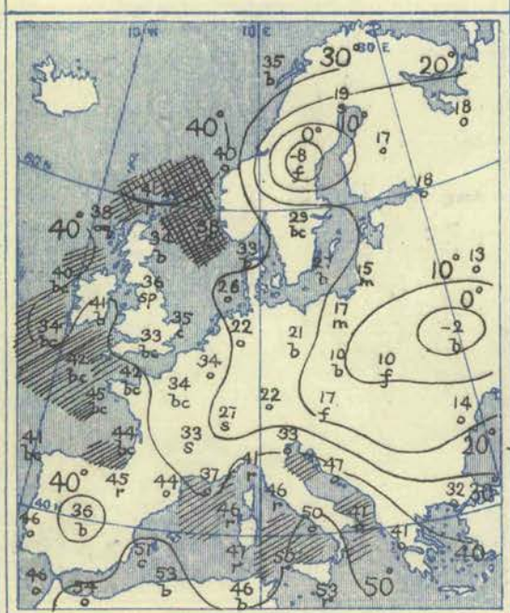
Temperature risen quickly in most regions, but fallen in Finland, at some Russian stations, and in Ireland. Morning readings highest, 66° at Nemours, 62° at Algiers, and 55° at Malta. Lowest, (1) − 4° at Hermanstadt, (2) + 7° at Archangel, 10° at Kuopio, 13° at Hernösand, 14° at Moscow, (3) 10° at Munich, 23° at Turin, 24° at Trieste and Pesaro, (4) 29° at North Shields and Liverpool, 30° at Nottingham and Bath. Rising later to 70° at Nemours, 66° at Sfax, 59° at Palma and Palermo, to 51° at Rome, and to 49° at Jersey. Frost continuing over the central and northern regions and thermometer only rising to 36° at Nice.

Wind in morning blowing a whole gale from West-South-West on the north-west coast of Ireland, a moderate to strong gale from a similar direction on our western coasts generally, and a fresh to very strong South-Easterly gale over, and to the eastward of, the North Sea, as well as in Belgium. Fresh or moderate Easterly or North-Easterly winds most prevalent over the Mediterranean, and Westerly winds, strong to a gale, over the Spanish Peninsula and the south-west of France. An extensive circulation of light anticyclonic winds prevailing over the eastern half of Europe. Gales tending to subside during day.

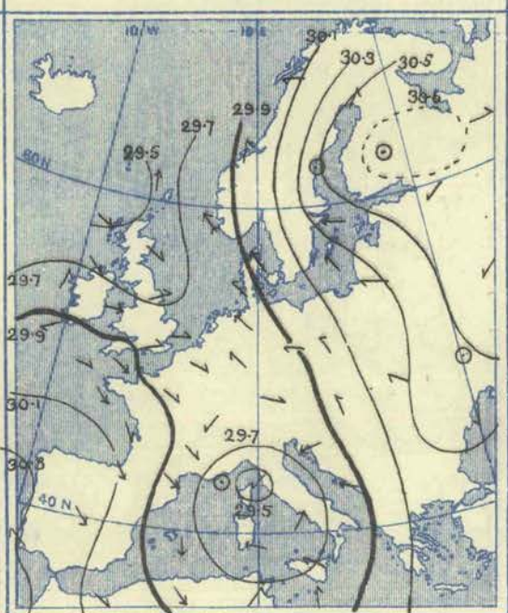
Barometer at 8 a.m. ranging from above 30·6 ins. over Finland to 29·4 ins. at Perpignan, and to below 28·4 ins. in a very deep depression centred near Malin Head. Latter disturbance travelling northwards later and decreasing in depth. Gradients becoming rather less steep over our Islands and their neighbourhood by the evening and decreasing still more during the night.

Wednesday, 18th January, 1905.

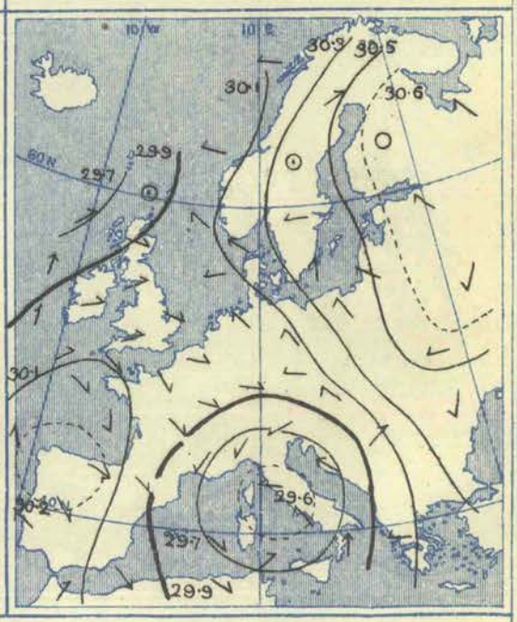
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in many parts of our Islands and the Continent, but snow showers reported from Shields, rain in Italy and the neighbouring Islands, and snow in the east of France. Some rain falling later on our most northern and north-western coasts, larger amounts in Italy, Algeria, and at Biarritz, and snow continuing in the east of France.

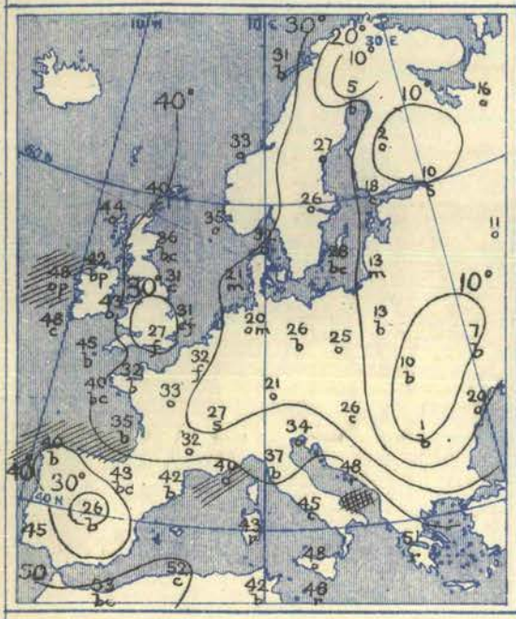
Temperature fallen in several parts of the United Kingdom, northern Europe, and the Spanish Peninsula, risen in most other localities. Morning readings highest, 54° at Nemours, 53° at Malta, 50° at Naples. Lowest, − 2° at Kiev, 8° at Hernösand, 10° at Cracow, 13° at Moscow, 21° at Berlin, 31° at Pesaro, and 30° or 31° at some English stations. Continuing very frosty all day over central and north-eastern Europe, but thermometer rising to 59° at Nemours, 57° at Palermo, 54° at Barcelona and Corunna, 50° at Lorient, and to 48° or 49° in Ireland.

Wind at 8 a.m. showing a cyclonic circulation of light to very strong winds over the Gulf of Genoa and its vicinity, and a light anticyclonic movement over the eastern part of our area. Fresh to light Westerly winds prevailing over the greater part of our Islands, but drawing into South at Sumburgh Head. Moderate to fresh South-Easterly gales blowing over the south of Norway. Gales subsiding later, but little change occurring in direction except in the west of Ireland.

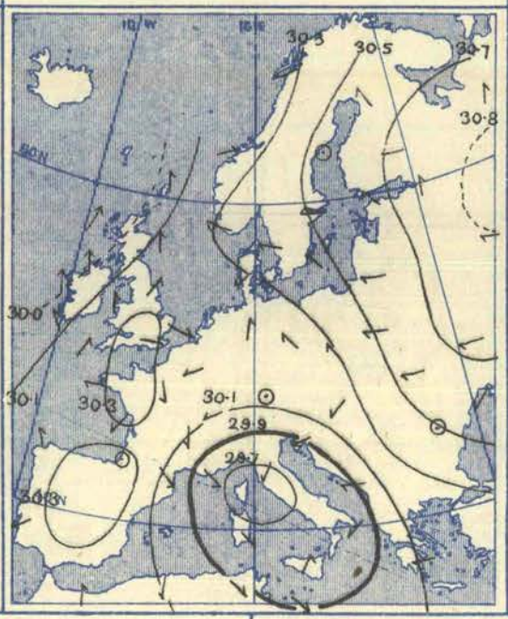
Barometer at 8 a.m. ranging from above 30·6 ins. in an anticyclone over Finland and the north-west of Russia to less than 29·5 ins. in a depression off the north of Scotland and in another system over the Gulf of Genoa. Anticyclone in north spreading southwards during day, and another high pressure system forming over Spain and the Bay of Biscay. Barometer rising briskly in Scotland and decidedly over England, but becoming unsteady on the west coast of Ireland.

Thursday, 19th January, 1905.

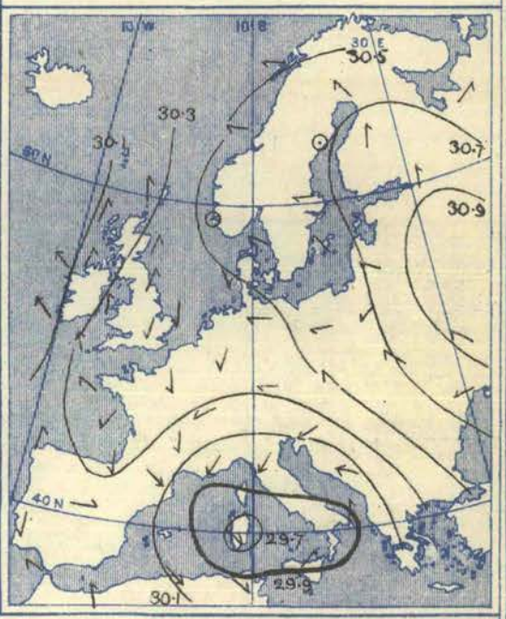
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at a.m. unsettled and rainy in many parts of southern Europe, showery in the north-west of Ireland, and snow falling at Belfort and Turin. Fair or fine in most other regions, but foggy at Brussels and in the inland and eastern districts of England. Fog clearing later in most places and weather remaining dry over the greater part of our area. Rather heavy rain falling in Italy and the east of Algeria.

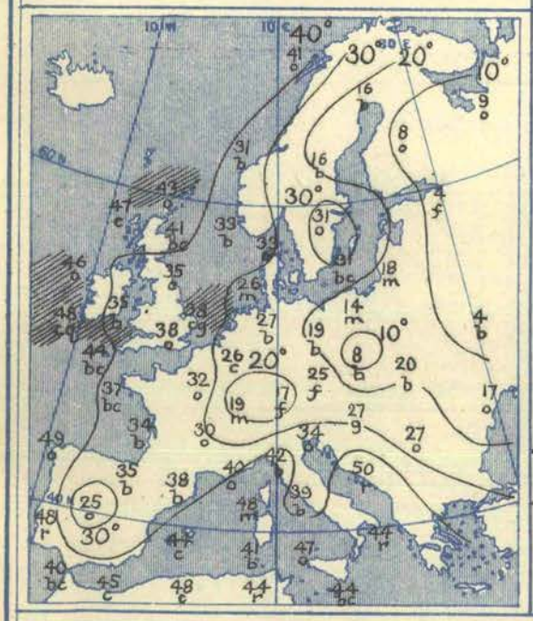
Temperature changed irregularly, fallen in England, risen in Ireland. Morning readings highest, 53° at Nemours, 52° in Greece, 48° at Barcelona and on the south and west coasts of Ireland. Lowest, (1) 1° at Hermanstadt, 7° in Little Russia, 10° to 13° in Poland, (2), 2° at Kuopio, 5° at Haparanda, (3) 20° to 22° over central England, (4) 26° at Madrid. Rising subsequently to 63° at Nemours, 57° at San Fernando, Corunna, and Cagliari, and to about 50° on the coasts of Brittany and Ireland. Remaining below freezing point in central England.

Wind at 8 a.m. showing a moderate to strong cyclonic movement over the Mediterranean. Light anticyclonic airs prevailing over our area generally, but fresh Southerly winds in the north-west of Ireland. Wind backing to South-East or South on our western coasts by evening and increasing to a fresh or strong breeze in Wales and to a gale in Ireland. Little change occurring elsewhere.

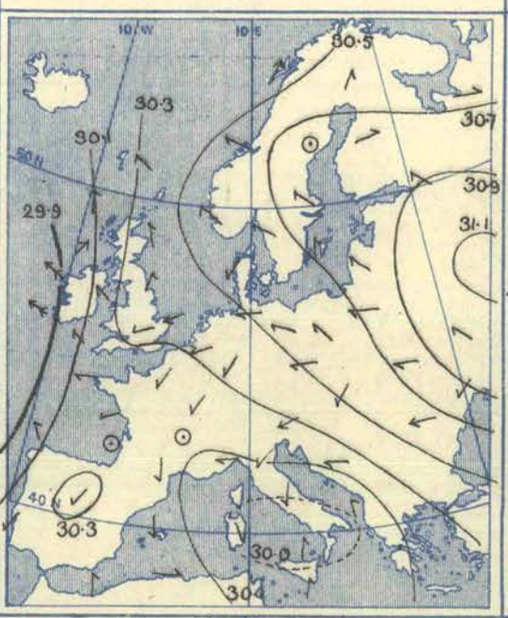
Barometer at a.m. highest, 30·7 ins. to above 30·8 ins. in an anticyclone covering nearly the whole of Russia, and above 30·3 ins. in two smaller maxima in the west and south-west of our area. Lowest, below 29·7 ins. in a depression centred some distance to the eastward of Rome. Less than 30·0 ins. off our own north-west coasts. Southern depression moving further to the southward during day. Pressure increasing over the major portion of Europe; rising to 30·99 ins. at Kharkov by 6 p.m. Barometer showing some tendency to fall on our extreme south-western coasts.

Friday, 20th January, 1905.

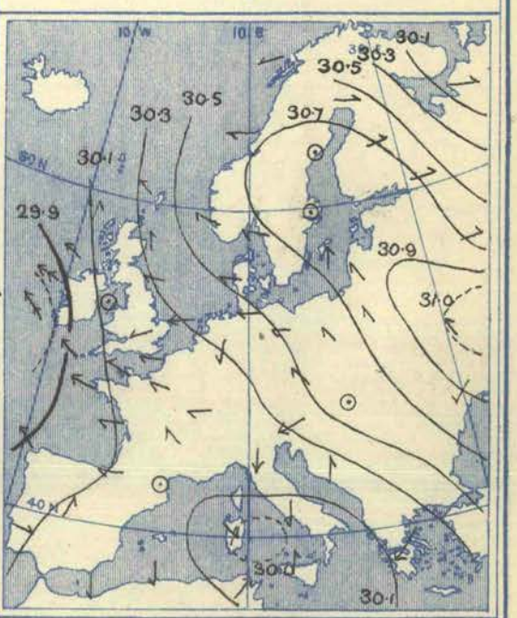
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over our area as a whole, but foggy in some parts of central England and central Europe, snow falling at Buda-Pesth and rain on the shores of the Adriatic, at La Calle, and on the coast of Portugal. Heavy rain falling later at Tunis and La Calle and a slight amount in the south-west of Ireland.

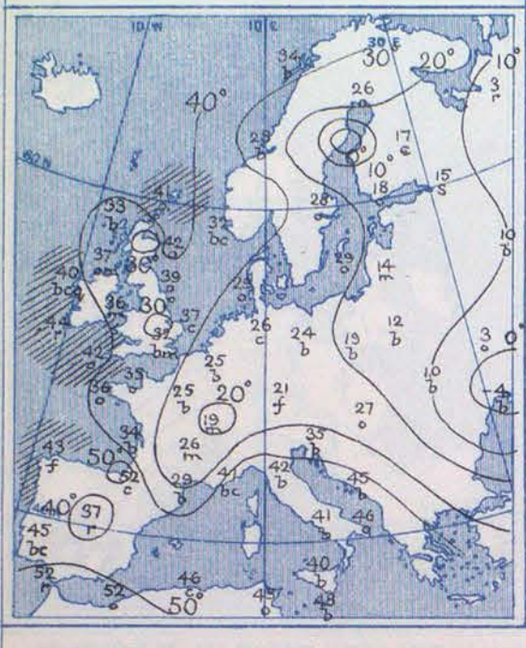
Temperature risen in most localities. Morning readings highest, 50° at Lésina, 49° at Corunna, 48° at Algiers and Valencia (Ireland), and 47° at Stornoway. Lowest, (1) 1° at Helsingfors, 4° at St. Petersburg and Kiev, (2) 17° at Munich, 19° at Belfort, 30° at Lyons, (3) 25° at Madrid, (4) 28° at Nottingham. Maxima during day 61° at Nemours, 59° at Algiers, 54° at Rome, 52° at Nice, and nearly 50° on our south-west coasts. Below 32° in the far north and east and in many parts of central Europe.

Wind at 8 a.m. circulating anticyclonically and with little force in the eastern and north-eastern regions and showing a cyclonic movement of moderate to strong winds over Italy and its neighbourhood. Strong Southerly and South-Easterly winds or gales prevailing on our own most western coasts. Little change occurring later, but gale in Ireland increasing in strength.

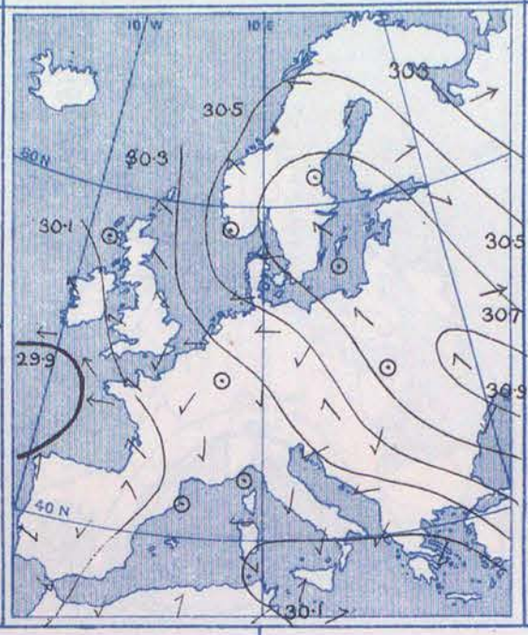
Barometer at 8 a.m. ranging from 31·10 ins. in the southern part of central Russia to 30·0 ins. or less over Sardinia, Sicily, and the south of Italy, and to less than 29·9 ins. off the west coast of Ireland. No change in the general distribution later, but a steady decrease of pressure going on over Ireland, England, France, and the Spanish Peninsula.

Saturday, 21st January, 1905.

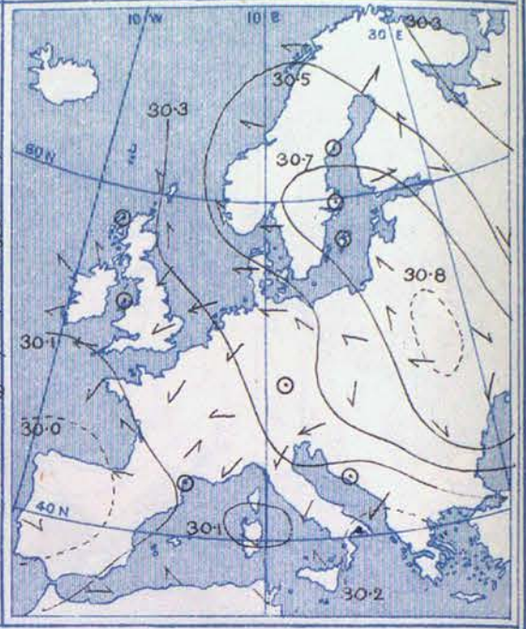
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Norway, and in some parts of central Europe and Italy, cloudy or overcast generally, with rain at Valencia Island and Madrid. Remaining dry as a rule, but considerable quantities of rain falling at some Spanish stations and at Cette, and smaller amounts in Algeria.

Temperature changed rather irregularly, but risen at most stations. Morning readings highest, 52° at Nemours, San Fernando, and Biarritz, 48° at Malta and Patras. Lowest, −4° at Odessa, +3° at Kiev and Archangel, 9° at Cracow, 10° at Moscow, 15° at St. Petersburg, (2) −1° at Hernösand, (3) 27° at Nairn, 28° at Oxford, (4) 29° at Perpignan. Rising subsequently to 47° at Roche's Point, to above 50° at various stations in the extreme south of Europe, and to above 60° in Algeria.

Wind at 8 a.m. showing a vast anticyclonic movement over the greater part of the Continent and partial cyclonic circulations over Italy and Greece and the south-western parts of our area. North-Easterly current blowing a moderate gale at Patras, and the Easterly wind strong on our own south-west and west coasts. Little change by evening except some decrease in the force of the North-Easterly and Easterly winds.

Barometer at 8 a.m. ranging from 30·9 ins. and upwards in the central part of an anticyclone over Little Russia to below 30·1 ins. over the Ionian Sea and its vicinity, and to less than 29·9 ins. in a depression off our south-west coasts. Russian anticyclone losing some of its intensity later, and disturbance off our south-west coasts moving southwards. Another baric minimum appearing over Sardinia.

IV.—GENERAL NOTES, etc.

The chief feature of the week was a most violent and prolonged gale from some point between South and East that commenced over the United Kingdom and its neighbourhood on Sunday and continued until Tuesday. Its immediate cause was the presence of a very extensive anticyclone over the north of Europe and an unusually large and deep cyclonic system off the west of Ireland. The latter finally moved slowly northwards and became less deep, while the former also decreased somewhat in intensity. No other disturbances of much importance appeared from the Atlantic, but one that moved or spread south-eastwards over our south-western districts and the Bay of Biscay towards the end of the period produced a fresh or strong South-Easterly gale in Ireland. A depression of no great depth was usually found over some part of Italy or its neighbourhood, but the greater part of the Continent was under the dominion of the large Russian anticyclone, which eventually increased in intensity until the barometer at its centre stood at 31·1 ins. A good deal of sleet or snow and a very low temperature accompanied the gale over the United Kingdom on Monday, while very heavy rains occurred in France. The general level of temperature over Europe was low, the readings being often far below the mean, especially in the southern regions. In Italy and its vicinity falls of snow, sleet, or cold rain were very frequent.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 14.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	7·9	+ 1·1	17	+ 2
STRATHPEFFER SPA	12·8	+ 4·9	26	+ 10
CRATHES	11·1	—	22	—
BALRUDDERY	7·1	—	14	—
EDINBURGH	5·6	− 2·1	11	− 4
COCKLE PARK	5·8	—	11	—
NEWCASTLE-on-TYNE	2·0	—	4	—
SALTBURN-by-the-SEA	? 14·6	—	? 27	—
YORK	7·0	0·0	13	0
SKEGNESS	18·1	—	32	—
CROMER	16·9	—	30	—
LOWESTOFT	20·6	—	37	—
DUNMOW	18·2	—	32	—
SHEFFIELD	15·0	—	27	—
WORKSOP	16·7	+ 8·2	30	+ 15
THURCASTON	17·7	+ 8·5	32	+ 15
MARGATE	24·3	+ 13·7	42	+ 24
BROADSTAIRS	—	—	—	—
RAMSGATE	26·1	—	45	—
EASTBOURNE	20·3	+ 8·0	35	+ 14
BRIGHTON	14·2	+ 2·5	24	+ 4
WORTHING	14·7	—	25	—
BOGNOR	17·6	—	30	—
VENTNOR HOSPITAL	22·7	+ 11·2	39	+ 19
BOURNEMOUTH	26·3	—	45	—
MARLBOROUGH	16·7	+ 7·1	29	+ 12
SOUTHPORT	5·7	—	10	—
RHYL	12·1	—	22	—
ABERDOVEY	21·0	—	38	—
TENBY	18·6	+ 4·9	33	+ 9
TORQUAY	19·6	+ 6·2	33	+ 11
NEWQUAY	18·9	+ 6·5	32	+ 11
GUERNSEY	17·5	+ 5·2	29	+ 9

Reports received too late for insertion in their proper places.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees) Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 2, page 12	Broadstairs	—	—	—	—	—	—	—	—	—	—	—	19·3	—	35	—

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 4. FOURTH WEEK, ENDING SATURDAY, JANUARY 28TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 20.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	51	20	44·1	34·4	39·4	2 above	6	0	29	− 8	30	+ 5	107	− 39
	1. SCOTLAND, EAST	54	22	43·5	32·6	38·2	1 above	4	− 4	35	− 8	36	+ 7	131	− 39
	2. ENGLAND, N.E.	54	26	42·4	32·8	37·8	0 (average)	1	− 7	34	− 3	24	− 6	134	− 15
	3. ENGLAND, EAST	50	23	41·1	31·6	36·5	2 below	0	− 8	39	− 2	18	− 12	155	− 10
	4. MIDLAND COUNTIES	51	21	41·5	30·2	36·0	2 below	0	−10	42	0	23	− 15	165	− 5
	5. ENGLAND, SOUTH	51	18	42·6	31·3	37·1	2 below	2	−10	39	+ 7	25	− 24	136	+ 6
Principal Grazing Districts.	6. SCOTLAND, WEST	51	25	44·0	34·9	39·6	1 above	6	− 3	27	− 4	37	− 3	87	− 34
	7. ENGLAND, N.W.	51	25	42·6	33·1	38·0	1 below	2	− 8	33	+ 3	41	+ 3	104	− 16
	8. ENGLAND, S.W.	50	16	43·5	30·5	37·3	4 below	4	−12	43	+20	42	− 21	99	+ 7
	9. IRELAND, NORTH	52	27	45·6	36·8	41·4	1 above	10	− 4	22	− 4	58	+ 4	66	− 39
	10. IRELAND SOUTH	53	26	47·5	35·8	41·9	0 (average)	15	− 6	27	+ 7	99	+ 17	47	− 35
	— CHANNEL ISLANDS	53	31	47·6	37·7	42·9	1 below	24	0	12	+ 1	102	+ 7	25	− 17

Rainfall.

Bright Sunshine.

	DISTRICTS. (See p. 20.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	9	2 less	21	+ 1	5·2	+ 0·8	7	− 1	13	− 3	23	− 2	12	− 1
	1. SCOTLAND, EAST	3	1	5 less	12	− 4	1·0	− 1·5	14	0	25	0	42	− 1	20	− 1
	2. ENGLAND, N.E.	2	1	3 less	9	− 6	0·4	− 1·3	12	0	21	0	49	− 3	23	1
	3. ENGLAND, EAST	1	less than half	4 less	10	− 6	0·8	− 0·9	14	+ 2	24	+ 4	66	+ 23	29	+10
	4. MIDLAND COUNTIES	1	1	4 less	11	− 4	0·9	− 1·2	15	+ 6	26	+11	51	+ 16	23	+ 7
	5. ENGLAND, SOUTH	1	less than half	5 less	9	− 6	1·2	− 1·2	19	+ 7	31	+12	65	+ 21	28	+ 9
Principal Grazing Districts.	6. SCOTLAND, WEST	3	4	8 less	17	− 1	3·3	− 1·5	11	+ 2	20	+ 3	36	− 3	17	− 1
	7. ENGLAND, N.W.	2	2	5 less	14	− 2	1·8	− 1·0	13	+ 2	22	+ 3	36	− 1	16	0
	8. ENGLAND, S.W.	1	less than half	8 less	11	− 6	1·6	− 1·9	20	+ 8	33	+13	58	+ 13	25	+ 5
	9. IRELAND, NORTH	3	3	4 less	18	− 2	2·7	− 0·3	8	− 4	14	− 7	25	− 16	12	− 7
	10. IRELAND, SOUTH	3	3	6 less	16	− 2	2·9	− 0·9	15	+ 1	26	+ 2	36	− 14	16	− 7
	— CHANNEL ISLANDS	2	less than half	7 less	14	− 4	1·5	− 1·6	28	+13	46	+20	76	+ 20	32	+ 9

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather during this week was dry and fine over the Kingdom generally, but slight rain was frequently experienced in the extreme north and north-west of Scotland.

Temperature was below the mean in nearly all parts of England—as much as 4° in England S.W.—but in England N.E. and Ireland S. it just equalled it, and in Ireland N. and over Scotland was 1° or 2° above it. The highest of the maxima were in almost all cases recorded on Saturday, when they ranged from 54° in Scotland E. and England N.E. to 50° in England E. and S.W. The lowest of the minima occurred, as a rule, either on the 26th or 27th. In England S.W. and England S. (at Llangammarch Wells and Swarraton) the thermometer fell to 16° and 18° respectively, but elsewhere the minima ranged from 21° in the Midland Counties to 27° in Ireland N. and to 31° in the Channel Islands.

Rainfall was less than the mean in all districts. Over the east of Scotland and the greater part of England the fall was extremely slight; at several stations there was no measurable quantity.

Bright Sunshine was in excess of the mean over the major portion of the Kingdom, but deficient in Ireland N. and also in Scotland N. The percentage of the possible duration ranged from 46 in the Channel Islands, 33 in England S.W., and 31 in England S., to only 14 and 13 respectively in Ireland N. and Scotland N.

Barometer and Wind. Until the middle of the week the barometer was highest to the eastward or south-eastward of our Islands and the wind Southerly to South-Westerly. No depressions of importance passed over this country, but the gradients were rendered rather steep in the north-west on Monday by the proximity of a deep disturbance out on the Atlantic. On Wednesday morning the eastern edge of an anticyclone had appeared over the west of Ireland, and this system, moving slowly eastward and continually increasing in intensity, covered the whole Kingdom by Thursday, its maximum pressure being about 30·7 ins. It subsequently moved southward and south-westward but continued to increase in energy until Saturday, when the barometer rose to 31·0 ins. or more over the south-western parts of the United Kingdom generally, and to 31·06 ins at Scilly.

3313 370 Wy. & S. Ltd. 1 | 05

II.—DATA from which the SUMMARY on page 19 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
Jan. 22–28, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.				
O. SCOTLAND, N.	Sumburgh Head	48	27	44·0	35·4	39·9	+ 0·9	6	26	7	0·81	− 0·02	*	*	*	*
	Stornoway	50	29	45·9	35·0	40·7	+ 1·9	11	29	6	1·10	+ 0·04	5·4	− 3·2	10	− 6
	Wick	50	28	44·0	33·1	38·8	+ 1·1	6	34	4	0·12	− 0·35	*	*	*	*
	Lairg Ꞩ	49	20	43·7	32·4	38·3	+ 3·1	5	37	5	0·46	− 0·32	*	*	*	*
	Glencarron Ꞩ	48	26	42·9	35·1	39·2	+ 1·9	3	26	7	1·83	− 0·21	*	*	*	*
	Fort Augustus Ꞩ	51	26	43·9	35·1	39·7	+ 1·7	5	27	4	0·80	− 0·23	4·8	− 0·6	9	− 1
1. SCOTLAND, E.	Nairn	52	24	45·1	30·3	38·0	+ 0·6	9	45	4	0·29	− 0·13	*	*	*	*
	Aberdeen	54	30	44·4	34·7	39·7	+ 2·0	7	28	3	0·04	− 0·49	16·2	+ 2·5	30	+ 5
	Braemar Ꞩ	47	22	40·1	31·3	35·9	+ 1·4	0	43	3	0·06	− 0·61	*	*	*	*
	Clathick Ꞩ	51	26	43·7	33·7	38·9	+ 1·8	5	32	3	0·07	− 0·97	*	*	*	*
	Leith	52	26	46·0	32·9	39·7	+ 0·6	11	36	1	0·02	− 0·37	*	*	*	*
	Marchmont Ꞩ	50	27	41·7	32·4	37·2	+ 0·5	0	34	2	0·19	− 0·41	10·5	− 1·1	19	− 2
2. ENGLAND, N.E.	Alnwick Castle	54	30	45·4	35·0	40·4	+ 2·6	10	28	2	0·36	− 0·14	*	*	*	*
	Durham	49	27	42·6	33·1	38·0	+ 0·9	2	33	2	0·16	− 0·26	13·1	+ 1·2	23	+ 2
	Shields	50	27	43·6	32·3	38·2	− 0·4	4	37	2	0·11	− 0·27	*	*	*	*
	Scarborough Ṁ	53	29	43·8	33·8	39·0	+ 0·5	5	31	3	0·05	− 0·39	10·4	—	18	—
	Spurn Head	47	30	41·4	33·0	37·4	− 0·9	0	32	1	0·03	− 0·26	*	*	*	*
	Lincoln	49	26	40·3	31·6	36·1	− 1·2	0	41	2	0·05	− 0·35	*	*	*	*
	Fulbeck	47	26	39·7	30·5	35·3	− 1·3	0	47	1	0·04	− 0·33	11·9	—	20	—
3. ENGLAND, E.	Hillington Ṁ	46	25	40·4	31·0	35·9	− 1·3	0	43	1	0·10	− 0·35	11·5	− 0·6	20	− 1
	Yarmouth	47	29	41·3	32·6	37·1	− 0·4	0	34	2	0·04	− 0·37	*	*	*	*
	Geldeston	48	27	42·5	31·7	37·3	− 0·9	1	38	1	0·03	− 0·32	11·7	− 1·7	20	− 3
	Cambridge	50	24	40·9	31·2	36·2	− 1·7	0	41	1	0·02	− 0·32	15·8	+ 2·7	27	+ 5
	Felixstowe	48	27	41·4	31·9	36·8	− 1·6	0	36	2	0·06	—	13·2	—	22	—
	Clacton-on-Sea	47	26	41·4	31·3	36·6	− 2·6	0	38	0	0·00	—	12·6	—	21	—
	Rothamsted	48	23	39·2	31·3	35·4	− 2·1	0	46	1	0·02	− 0·48	21·5	+ 9·5	36	+ 16
	Shoeburyness	48	28	41·4	32·1	36·9	− 1·7	0	36	2	0·04	− 0·29	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	47	27	41·5	31·9	36·9	− 0·3	0	36	2	0·11	− 0·46	16·6	—	29	—
	Bawtry (Hesley Hall)	50	26	42·3	30·0	36·4	− 1·3	1	44	0	0·00	− 0·39	*	*	*	*
	Nottingham	51	24	41·4	30·4	36·1	− 1·9	0	41	1	0·02	− 0·38	12·1	—	21	—
	Colly Weston (Stamford)	49	25	41·0	29·9	35·7	− 1·5	0	44	2	0·06	− 0·37	*	*	*	*
	Cheadle Ṁ	47	27	39·7	31·2	35·6	− 1·2	0	45	2	0·10	− 0·47	*	*	*	*
	Birmingham (Edgbaston)	50	29	40·5	33·0	36·9	− 1·3	0	36	1	0·06	− 0·42	10·9	—	19	—
	Shrewsbury	51	23	42·7	31·5	37·3	− 1·4	2	39	1	0·07	—	*	*	*	*
	Hereford Ṁ	49	21	41·6	27·3	34·7	− 4·1	0	51	3	0·05	− 0·49	*	*	*	*
	Cirencester	48	21	40·8	27·1	34·2	− 3·6	0	55	2	0·03	− 0·60	21·2	+ 8·5	35	+ 14
	Oxford	51	24	43·0	29·4	36·5	− 2·2	3	47	0	0·00	− 0·44	21·4	+ 9·3	36	+ 16
5. ENGLAND, S.	Westminster	50	26	43·3	31·6	37·7	− 1·5	4	39	0	0·00	—	7·0	+ 2·0	12	+ 3
	London (Brixton)	48	25	42·4	31·1	37·0	− 2·2	1	40	1	0·02	− 0·41	9·3‡	+ 2·3‡	16‡	+ 4‡
	Wisley (Surrey)	48	24	41·7	29·5	35·8	− 3·4	0	43	1	0·03	—	17·8	—	30	—
	Swarraton (Alresford) Ṁ	47	18	40·4	27·0	34·0	− 3·8	0	56	2	0·04	− 0·64	*	*	*	*
	Tunbridge Wells Ṁ	48	24	41·7	30·0	36·1	− 1·5	0	41	2	0·05	—	19·2	—	32	—
	Dungeness	49	25	44·4	31·6	38·3	− 1·1	7	40	1	0·02	− 0·36	19·6	—	32	—
	Hastings (St. Leonards)	49	31	43·6	34·5	39·2	− 0·3	4	28	1	0·02	− 0·56	25·0	+ 9·6	41	+ 16
	Southampton	51	25	43·7	32·1	38·1	− 2·0	5	37	1	0·02	− 0·64	19·9	+ 6·9	33	+ 11
	Portland Bill	48	31	44·0	34·3	39·3	− 2·4	6	29	2	0·06	—	*	*	*	*
	Shaftesbury Ṁ	47	29	41·1	31·4	36·4	− 1·5	0	39	1	0·01	− 0·65	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	51	28	45·8	36·8	41·5	+ 1·6	11	22	6	0·97	− 0·80	*	*	*	*
	Glasgow	50	30	43·0	36·0	39·6	+ 1·0	3	22	2	0·18	− 0·65	10·5	+ 3·4	19	+ 6
	Cally Ꞩ	47	25	44·1	32·6	38·6	+ 0·1	6	36	4	0·42	− 0·61	*	*	*	*
	Aspatria	47	26	42·0	33·2	37·8	+ 0·2	0	29	3	0·24	—	9·9	—	17	—
	Douglas (Isle of Man)	49	29	45·2	35·7	40·6	0·0	9	25	1	0·13	− 0·79	13·1	− 0·1	23	0
7. ENGLAND, N.W.	Newton Rigg	47	25	40·9	30·5	35·9	0·0	0	43	3	0·11	—	15·1	—	27	—
	Stonyhurst	45	29	39·8	33·0	36·5	− 1·5	0	39	3	0·37	− 0·51	10·6	+ 1·0	18	+ 2
	Blackpool Ṁ	44	25	? 40·7	? 32·5	? 36·8	− 1·8	0	36	2	0·25	− 0·38	13·2	+ 3·0	23	+ 5
	Manchester (Prestwich)	47	25	40·1	32·6	36·5	− 1·9	0	39	3	0·17	− 0·48	6·8	—	12	—
	Liverpool Obsy. (Bidston)	47	32	42·6	33·6	38·3	− 1·2	2	31	2	0·13	− 0·33	14·2	—	25	—
	Chester (Hawarden Bridge)	50	26	44·4	32·6	38·7	− 1·2	7	36	1	0·07	—	*	*	*	*
	Llandudno Ṁ	50	30	45·0	33·6	39·5	− 1·9	8	33	2	0·19	− 0·38	13·3	+ 0·9	23	+ 2
	Holyhead	49	32	45·7	36·0	41·0	− 0·8	10	25	2	0·33	− 0·35	*	*	*	*
	Bettws-y-Coed	51	27	44·2	33·5	39·1	− 2·3	6	33	2	0·10	—	9·2	—	16	—
8. ENGLAND, S.W.	Llangammarch Wells	46	16	40·8	25·3	33·4	− 5·4	0	60	1	0·09	—	10·0	—	17	—
	Pembroke	49	32	45·7	36·1	41·1	− 1·2	10	25	2	0·06	− 0·72	25·9	+ 11·8	43	+ 20
	Cardiff	50	20	43·1	27·9	35·8	− 5·3	3	52	1	0·04	—	*	*	*	*
	Clifton	48	25	43·4	29·0	36·5	− 3·4	4	49	1	0·02	− 0·71	*	*	*	*
	Bath	50	19	43·1	27·4	35·6	− 4·9	3	54	0	0·00	− 0·64	18·9	—	32	—
	Arlington (N. Devon)	45	25	41·4	30·0	35·9	− 4·5	0	43	3	0·14	− 0·86	*	*	*	*
	Cullompton Ṁ	50	20	42·8	27·3	35·4	− 4·8	2	54	1	0·02	− 0·71	20·0	+ 8·0	33	+ 13
	Falmouth	50	34	45·8	37·4	41·8	− 1·7	11	20	0	0·00	− 1·10	22·4	+ 7·8	37	+ 13
	Plymouth	50	29	45·6	33·8	39·9	− 2·4	10	33	0	0·00	− 0·83	20·1	+ 6·6	33	+ 11
9. IRELAND, N.	Malin Head	48	34	45·4	37·0	41·4	− 0·2	10	21	4	0·34	− 0·29	*	*	*	*
	Edenfel (Omagh)	49	28	43·7	34·3	39·2	+ 1·2	5	30	3	0·22	− 0·52	*	*	*	*
	Blacksod Point	51	38	48·3	41·6	45·1	+ 2·3	23	1	3	0·39	− 0·62	*	*	*	*
	Markree Castle	52	27	46·1	35·6	41·1	+ 1·3	11	27	2	0·19	− 0·60	7·2	− 4·2	13	− 7
	Armagh	50	28	44·6	36·4	40·7	+ 1·5	7	23	2	0·24	− 0·34	8·7	− 3·3	15	− 6
	Donaghadee	50	33	45·4	36·0	40·9	+ 0·4	10	25	1	0·24	− 0·36	*	*	*	*
10. IRELAND, S.	Dublin	50	30	46·5	37·1	42·0	+ 0·2	13	14	2	0·22	− 0·25	21·6	+ 7·0	37	+ 12
	Birr Castle	49	27	46·4	33·4	40·2	+ 0·3	12	35	2	0·26	− 0·37	15·9	+ 2·7	27	+ 5
	Kilkenny	49	27	46·1	32·3	39·5	− 1·7	11	39	2	0·27	− 0·45	*	*	*	*
	Waterford	51	26	47·4	32·0	40·0	− 1·2	15	41	2	0·21	− 0·73	*	*	*	*
	Roche's Point	49	33	47·7	38·1	43·1	− 0·3	24	11	5	0·26	− 0·85	*	*	*	*
	Valencia	51	36	48·9	40·4	44·8	+ 0·3	26	4	2	0·57	− 0·77	7·8	− 6·2	13	− 10
	Killarney	53	32	49·0	37·6	43·5	+ 0·3	29	12	2	0·44	− 0·92	*	*	*	*
	Foynes	50	29	47·7	35·2	41·7	− 0·1	16	30	1	0·35	− 0·42	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	53	39	49·0	41·4	45·4	− 0·3	26	2	1	0·03	− 0·72	18·6	+ 3·0	30	+ 5
	Jersey (St. Aubyn's)	52	31	46·1	34·0	40·3	− 2·2	11	33	2	0·03	− 0·63	33·7	+ 16·2	54	+ 26

Information for Stations marked Ṁ is supplied by the Royal Meteorological Society, and that for Stations marked Ꞩ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

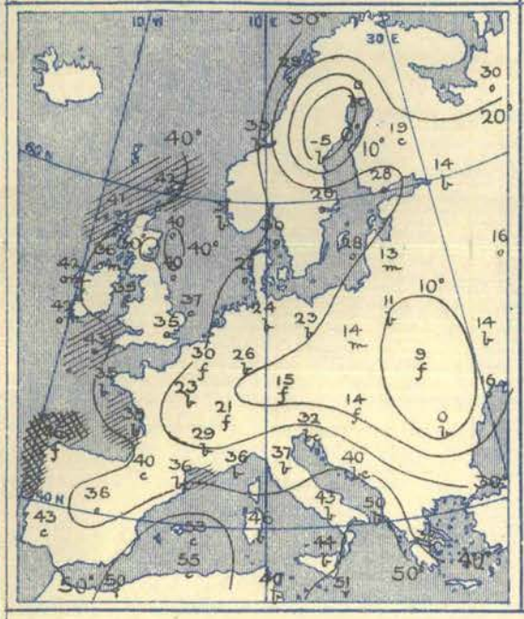
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 33 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

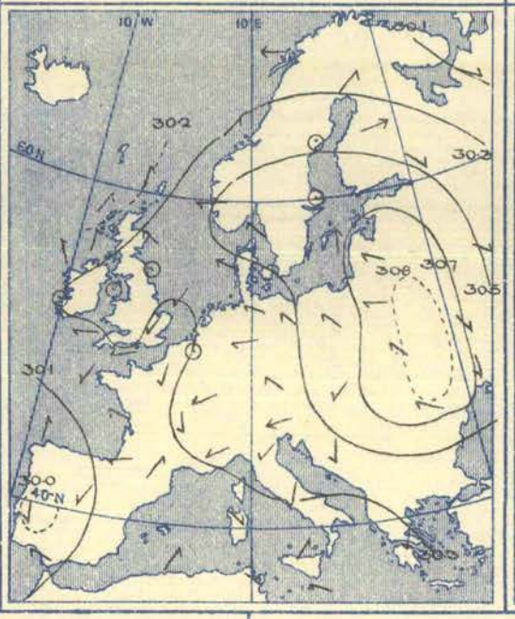
Note.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 22nd January, 1905.

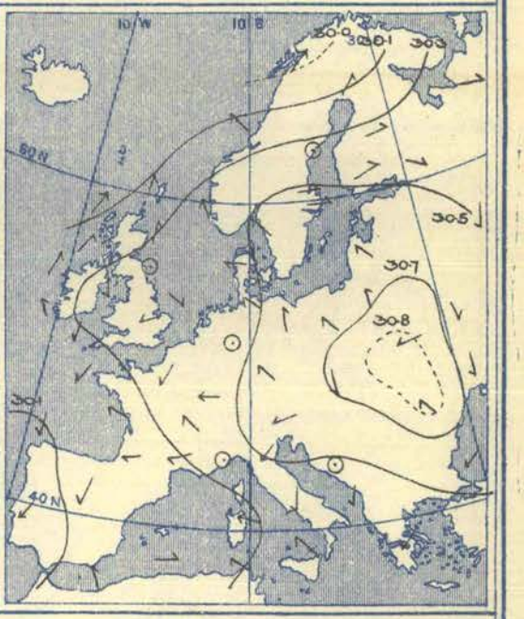
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. dull in nearly all parts of our Islands, the Netherlands, and over the south of Sweden, but fine and bright over our area generally. Fog prevalent at a few isolated spots and rain at Athens, Malta, and Nemours. A thunderstorm, accompanied by 2·2 ins. of rain, occurring later at Perpignan and slight rain on our extreme north-west coasts, but conditions continuing fair as a whole.

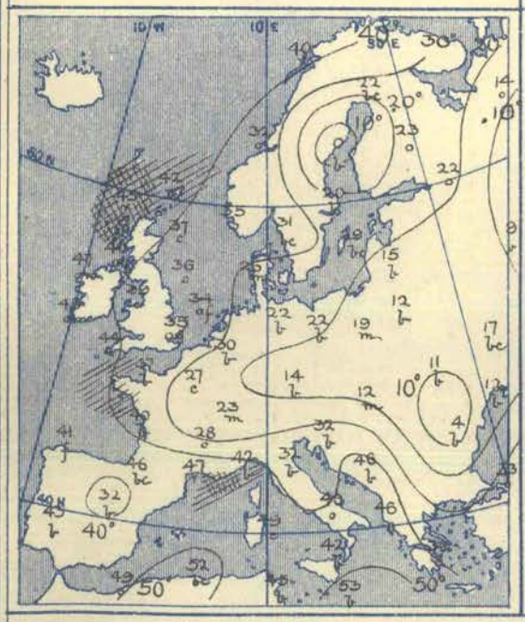
Temperature changed irregularly, but fallen in most places. Morning readings highest, 55° at Algiers, 53° at Palma, and 51° and 50° respectively at Malta and Brindisi. Lowest, (1) −5° at Hernösand, (2) 0° (zero) at Hermanstadt, 5° at Cracow, 14° at Breslau, and between 11° and 20° over the greater part of Russia, (3) 15° at Munich, 21° at Belfort, 23° at Paris, (4) 29° at Leith, 33° at Nairn, Liverpool, Oxford, and Portland Bill. Remaining much below 32° in the northern and central regions, but rising to 50° or above in the west of France and at many southern stations, and to 64° at La Calle.

Wind at 8 a.m. showing a general anticyclonic circulation around Poland and its vicinity, but a light cyclonic movement prevailing in some western regions. Moderate to fresh or strong Southerly and South-Westerly breezes springing up by evening in the most north-western parts of our area.

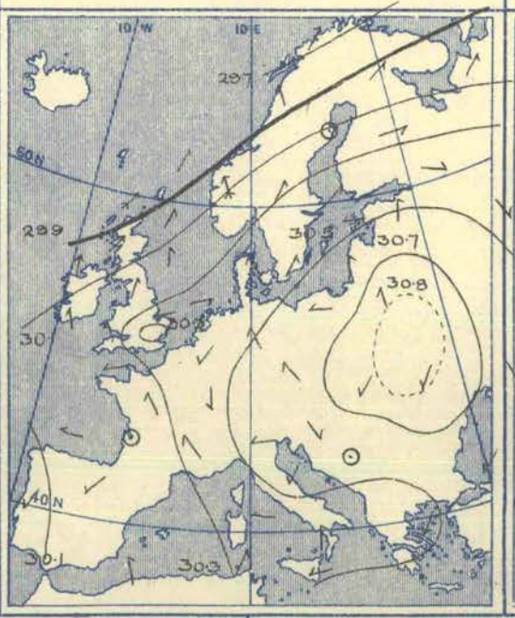
Barometer at 8 a.m. ranging from above 30·8 ins. in a very extensive anticyclone having its centre near Lemberg to less than 30·2 ins. in the Hebrides, 30·1 ins. at Archangel, and to 30·0 ins. at Lisbon. Pressure decreasing briskly in Norway during day and slowly on our own north-west coasts. Rising very decidedly in the extreme north of Russia, but little modification taking place within the anticyclonic area.

Monday, 23rd January, 1905.

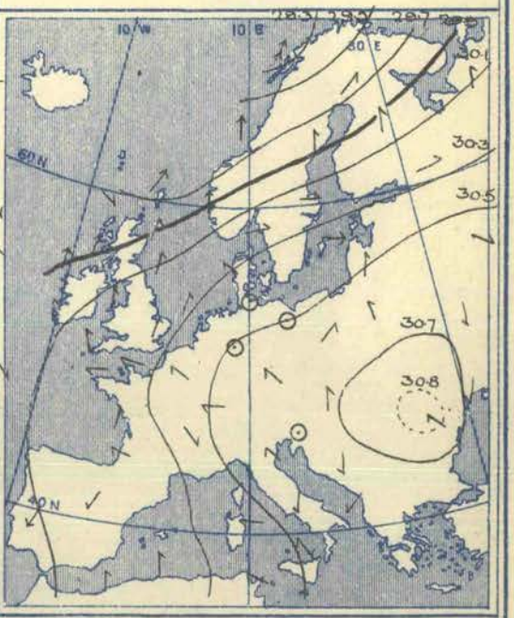
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over the major portion of the Continent, but rainy at Perpignan and Barcelona and also at Bodö. Dull over the United Kingdom, with mist in several localities and rain in the Shetlands and Hebrides. Day fair generally, but some rain falling at nearly all our own western and northern stations.

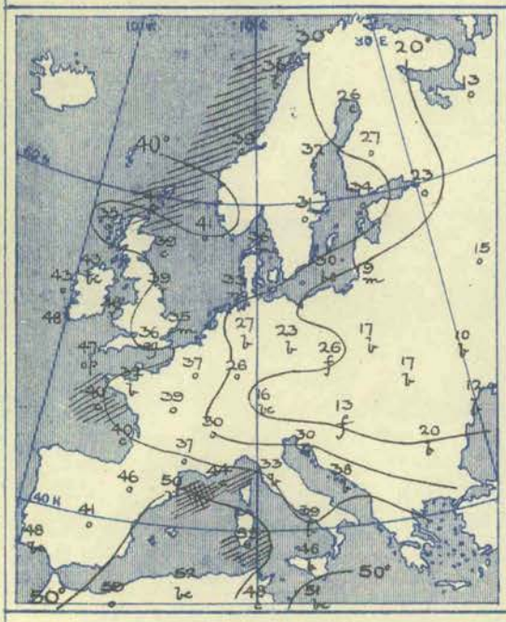
Temperature risen in most places. Morning readings above 50° at a few of the most southern stations and 45° or above on some parts of our own western coasts, but below 20° over the greater part of the Continent, and below 10° in some regions. Lowest readings, 0° (zero) at Hernösand and 3° at Cracow. Rising later to 50° at Valencia (Ireland), to 55° at Biarritz, 57° at Palermo and Cagliari, 66° at Algiers, and to 68° at Nemours. Frost continuing all day over the centre and north-east of Europe.

Wind at 8 a.m. blowing a fresh gale from South-East at Skudesnaes and from South-South-West in the Hebrides, and moderate to fresh breezes from the Southward over the most western and northern regions generally. Light and anticyclonic over all the more eastern countries. Southerly current extending further eastwards during day and increasing to a gale all along the west coast of Norway.

Barometer at 8 a.m. highest, above 30·8 ins. in a large anticyclone centred over Transylvania and Galicia. Lowest, 29·7 ins. and less over the north-west of Norway. Relatively low in slight depressions over the Ionian Sea and the eastern part of the English Channel. Pressure decreasing decidedly over Scandinavia during day, but beginning to rise again on the Irish and Scotch coasts.

Tuesday, 24th January, 1905.

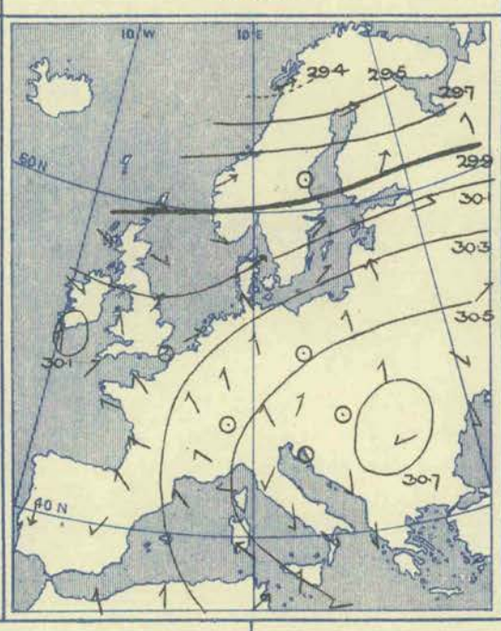
Temperature and Weather. 8 a.m.



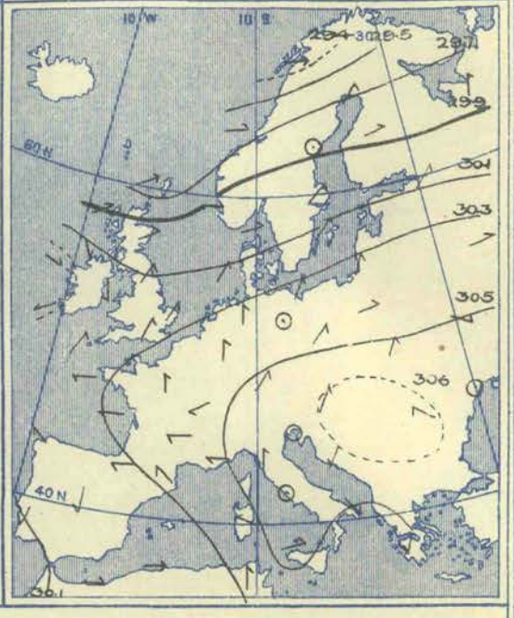
Weather at 8 a.m. fine and bright over the greater part of Europe, but cloudy or overcast over the United Kingdom, Scandinavia, and the north of Russia, with rain in Ireland and the north-west and north of England and also at Christiania Fjord. Slight rain falling later in most parts of these Islands and snow or rain in some parts of the Continent. Heavy rain (0·6 in. to 1·8 in.) experienced at Perpignan and its vicinity.

Temperature fallen in a few localities, but risen as a whole. Morning readings highest, 59° at Nemours, 51° at Malta, 48° in the south of Ireland. Lowest, (1) 1° at Kharkov, 10° at Kiev, and below 20° over Russia generally and also over the greater part of central Europe, (2) 32° at Jersey, 34° at Le Mans, (3) 34° at Nairn. Rising subsequently to 66° or 68° on the Algerian coast, to 64° at San Fernando, 60° at Palermo, to above 50° at a few French and Italian stations, and to 51° at Scilly.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

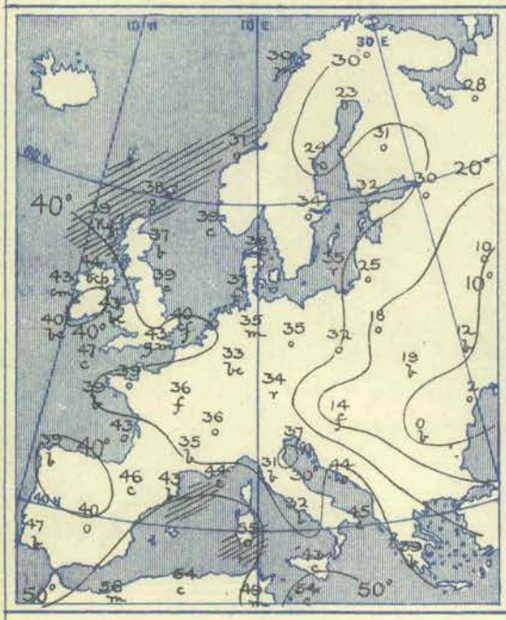


Wind in morning Westerly over all the northern countries; moderate generally, but strong in various parts of Scandinavia and Finland, and blowing a gale at Bodö. A light anticyclonic circulation prevailing over the more eastern and south-eastern regions. No general change taking place later in day.

Barometer at 8 a.m. ranging from above 30·7 ins. in an anticyclone centred over Transylvania to below 30·1 ins. in a feeble depression over Ireland, and to less than 29·4 ins. in a large system over Lapland. A secondary system appearing near the Shetlands by 6 p.m., but Irish disturbance dispersing and the eastern part of an anticyclone beginning to spread over that country.

Wednesday, 25th January, 1905.

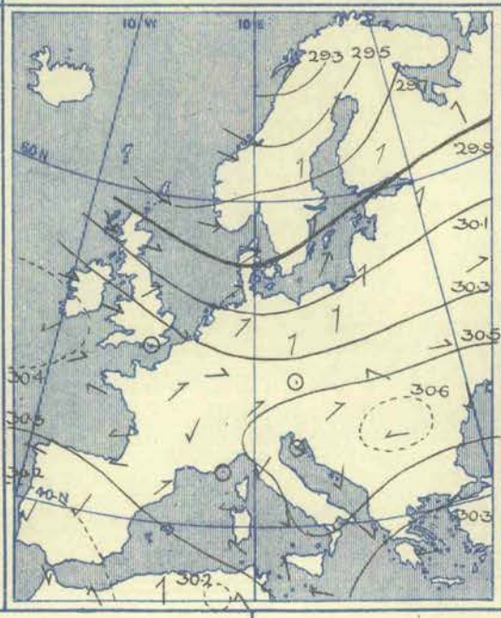
Temperature and Weather. 8 a.m.



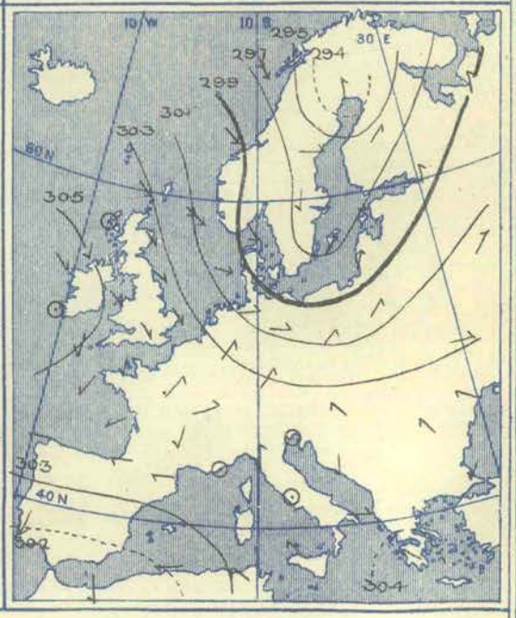
Weather at 8 a.m. fair or fine in most regions but dull or cloudy in several parts of northern and central Europe, with hail or snow showers in the north of Scotland, rain at Wisby, and snow at Helsingfors. Rain also falling at Cape Sicié and Munich, and fog prevailing in various parts of Austria. Slight rain or snow falling later in some Continental regions and as much as 0·6 in. at Memel.

Temperature risen over England and most countries situated towards the centre of Europe, fallen generally elsewhere. Morning readings highest, 56° at Nemours, 55° at Cagliari, and 54° at Malta. Lowest, −1° at Kharkov, 0° (zero) at Hartmanstadt, 2° at Odessa, and below 20° over the southern half of Russia generally, as well as in Poland and Hungary; below 32° in many parts of Italy, and below 40° over the greater part of France and our Islands. Rising later to 53° at Scilly, 57° at Rochefort, Corunna, and Cagliari, and to rather over 60° on the coast of Algeria.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

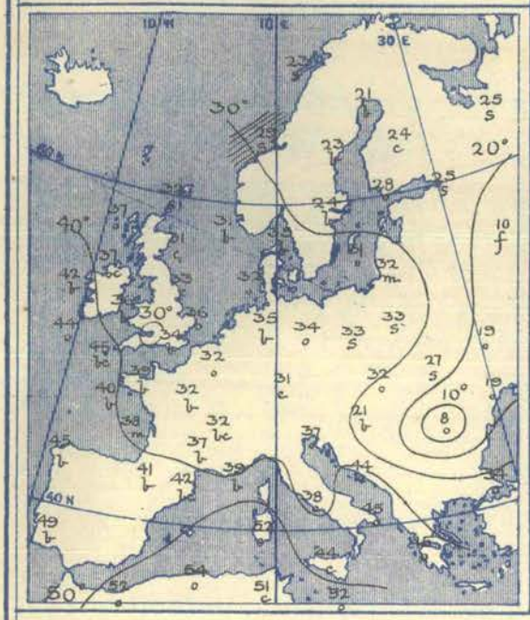


Wind at 8 a.m. moderate to strong from between North-West and South-West over the northern half of our area, light and anticyclonic over all the south-eastern countries and cyclonic (North-East to South-East) over the western parts of the Mediterranean. Increasing to a fresh or strong gale from North-West on the west coasts of Norway by evening. Becoming rather more anticyclonic over these Islands.

Barometer at 8 a.m. highest, above 30·6 ins. over Transylvania and Roumania, and above 30·4 ins. over the west of Ireland. Lowest, less than 29·3 ins. in the extreme north of Norway. Relatively low, 30·2 ins. and less, both in the south-west and south-east of our area. Southern high pressure giving way later and that over Ireland increasing and extending eastwards. Norwegian depression travelling eastwards across Lapland.

Thursday, 26th January, 1905.

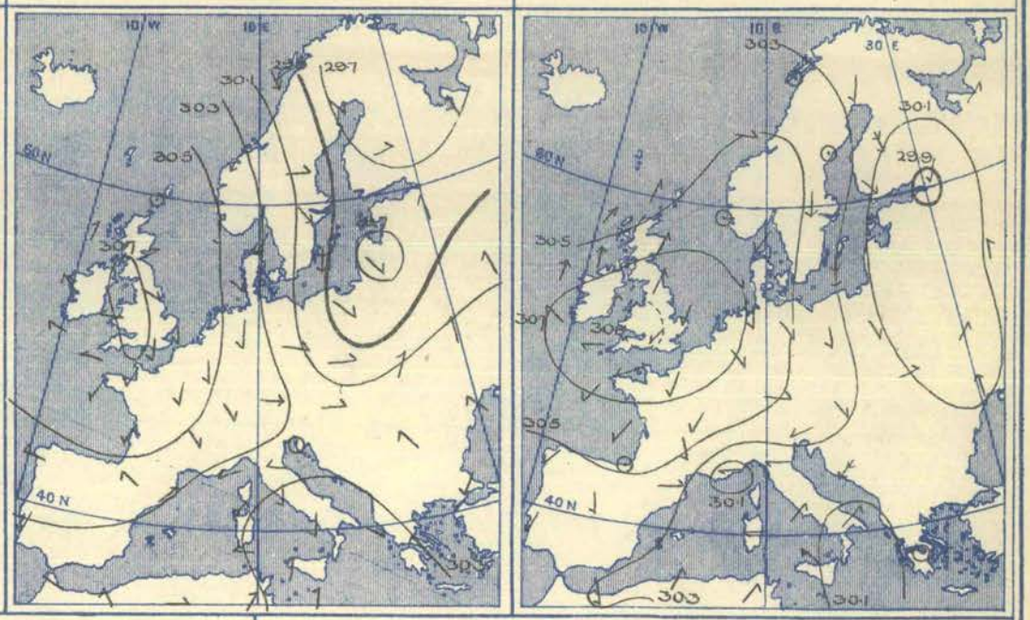
Temperature and Weather. 8 a.m.



Weather at 8 a.m. very unsettled over the east and north-east of Europe and the central countries, with snow in several places. Fine or fair over the southern and south-western regions and also over the United Kingdom. A little rain later in the Shetlands and Hebrides, in Algeria, and at some stations in southern Europe, and snow in a few northern localities, but continuing fine generally.

Temperature risen in the centre and south, fallen in most northern regions. Morning readings highest, 54° at Algiers, 52° at Cagliari and Malta, and 51° at Oporto. Lowest, (1) 8° at Hermanstadt, 10° at Kharkov and Moscow, 17° at Uleaborg, and 25° at St. Petersburg and Archangel, (2) 26° at Bath, 28° at Oxford, 26° at Nairn, 31° at Aberdeen and Leith, (3) 32° at Paris and Brussels. Rising subsequently to 68° at La Calle, to about 60° at some Spanish stations, and to above 50° in the south of France and Italy. Highest in our Islands, 50° at Blacksod Point.

Barometer and Wind. 8 a.m. and 6 p.m.

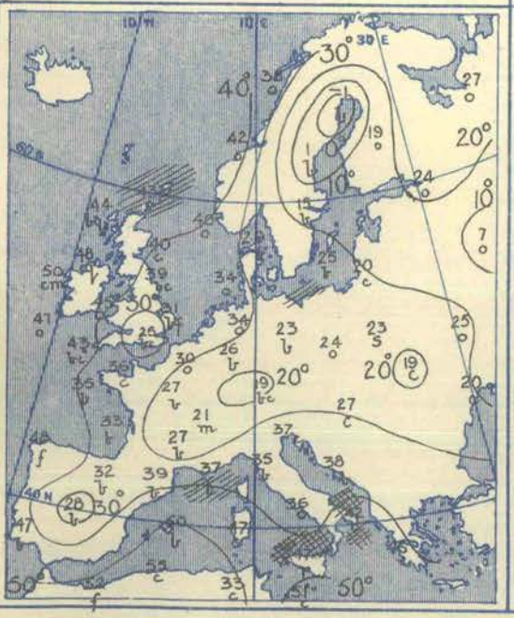


Wind at 8 a.m. light and anticyclonic over our Islands and their immediate neighbourhood; cyclonic elsewhere. Northerly and North-Westerly currents strong over Scandinavia and Denmark and blowing a gale in Gothland. Not much change later as a whole, but Southerly and South-Westerly breezes setting in on our north-west and north coasts, and a Northerly gale on the north-east coast of Prussia.

Barometer in morning highest, 30·6 ins. to above 30·7 ins. in an anticyclone over the United Kingdom. Lowest, 29·6 ins. and less in a large depression over Lapland. Less than 29·7 ins. in a smaller minimum over Courland. Barometer falling in Scotland during day, but anticyclone continuing to increase in intensity over England and to extend southwards, westwards, and eastwards. A well-defined minimum forming over the Gulf of Genoa. Barometer rising very quickly over Finland and the northern parts of Russia and Scandinavia.

Friday, 27th January, 1905.

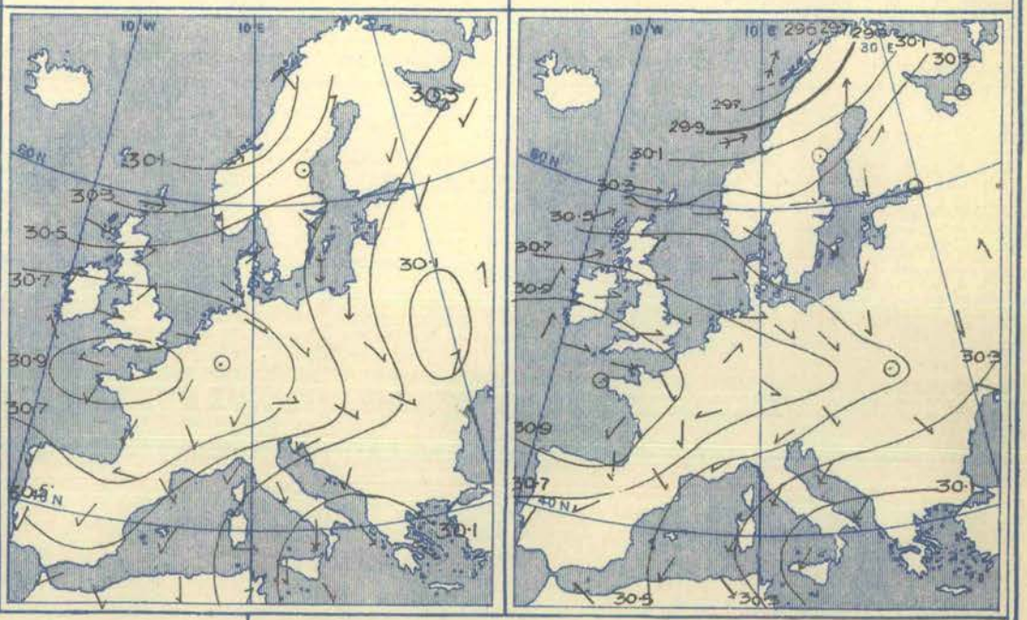
Temperature and Weather. 8 a.m.



Weather at a.m. cloudy or overcast over Norway, Russia, and in various parts of central and southern Europe; fair or fine elsewhere. Snow falling at Warsaw and rain at Sumburgh Head and Palermo. Rain experienced in Algeria later and slight falls of rain or snow in some other parts of our area, but continuing dry generally.

Temperature fallen except over Algeria and our own western and northern districts. Morning readings ranging from between 55° and 50° in the most southern parts of our area to below 27° over central England and the major portion of central Europe, and to below 10° at Moscow and in the north of Sweden. Lowest value, −1° at Haparanda. Rising during day to 59° or 51° in Scotland and Ireland, to a few degrees higher at some Mediterranean stations, 57° at Lisbon, and to 63° at Nemours.

Barometer and Wind. 8 a.m. and 6 p.m.

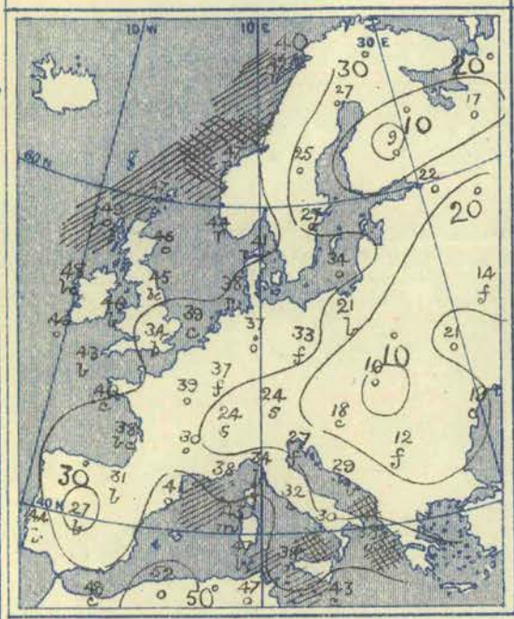


Wind at 8 a.m. showing an extensive anticyclonic circulation around the south of England and its vicinity, a complete cyclonic circulation over Russia, and partial cyclonic movements in the north-west and south-east of our area. Not much force generally, but a fresh to moderate Northerly gale blowing at Wisby and on the north coast of Germany, and strong Westerly to South-Westerly winds in the Shetlands and west of Norway. Increasing to a fresh gale in the west of Norway by evening, and Northerly gale subsiding over the Baltic.

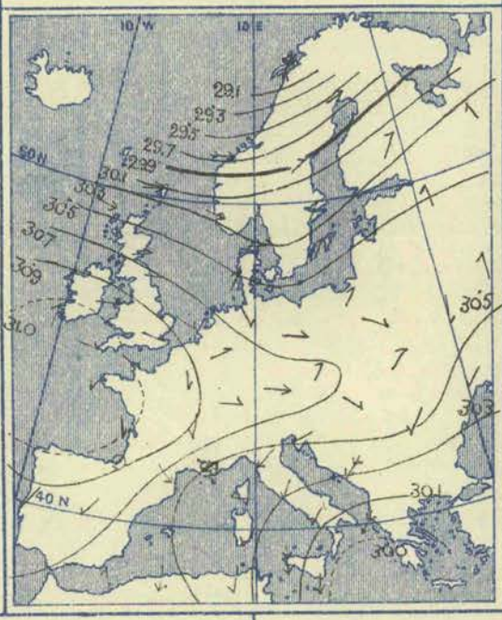
Barometer at 8 a.m. highest, 30·95 ins. at Oxford and Bath, and above 30·9 ins. in an anticyclone centred over the south of England, the Channel, and the north of France. Lowest, 30·1 ins. and less in depressions situated over Russia, the Ionian Sea and its neighbourhood, and off the north-west coast of Norway. Rising to 31·0 ins. at Jersey by 11 a.m. and to about the same level at several south-western stations during the evening or night. Barometer falling decidedly over Norway and the north of Sweden.

Saturday, 28th January, 1905.

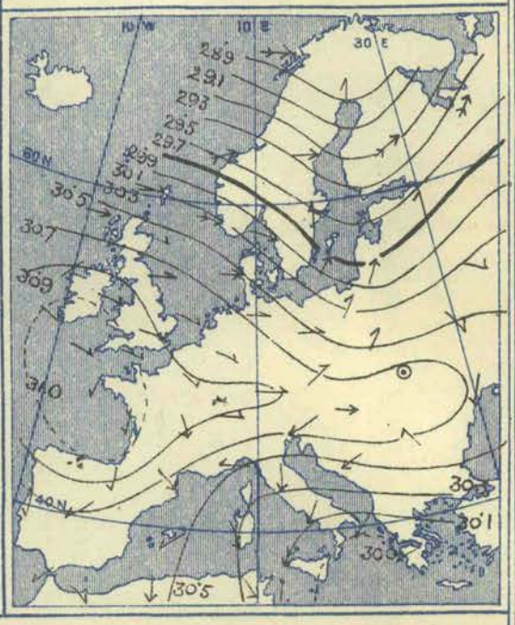
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather at 8 a.m. fine or fair in most regions, but a good deal of cloud prevailing over the north of the Continent, rain in Denmark and Norway. Snow falling at Prague, Munich, and Belfort. Some rain falling later on various shores of the Mediterranean, and snow or rain in various parts of northern Europe. Heaviest rainfall, 1 in. at Athens.

Temperature fallen over Italy and in a few other localities; risen generally. Morning values highest, 52° at Algiers, 49° at Oporto and Stornoway, 47° at Christiansund. Lowest (1) 1° at Kharkov, 9° at Kuopio, 10° at Lemberg, 12° at Hermanstadt, (2) 22° at Turin, 30° at Naples, 31° at Leghorn, (3) 27° at Madrid, (4) 34° in London. Rising later to 63° at La Calle and San Fernando, 59° at Nemours and Barcelona, 54° at Aberdeen, and about 50° in most other parts of our Islands.

Wind at 8 a.m. light and anticyclonic over the south-western and central regions. Two partial cyclonic circulations prevailing—one over the north of Europe, and the other over Italy and the south-east of Europe. Westerly and South-Westerly currents blowing a very strong gale in Norway, and North-Easterly wind strong to a gale over the Adriatic. Scarcely any change occurring later.

Barometer in morning risen still higher within the anticyclonic area. Readings at 8 a.m., ranging from 31·05 ins. at Brest and above 31·0 ins. in the south-west generally to 30·0 ins. and less over the central part of the Mediterranean, and to 29·00 ins. and less over the north of Norway. Pressure continuing to increase slowly in most parts of our Islands; rising to its maximum (31·06 ins.) at Scilly during day. Barometer falling to about 28·8 ins. in Lapland by evening, and gradients increasing quickly over Russia, the Baltic, and Denmark.

IV.—GENERAL NOTES, etc.

During the earlier days of the week an anticyclone of considerable intensity lay over the eastern and south-eastern part of Europe, while some large and deep disturbances arriving in the far north caused strong winds and gales over Scandinavia. By Wednesday evening the high pressure system had dispersed, but a fresh anticyclone, which subsequently proved to be of great size and of very unusual intensity, was spreading over our Islands from the Atlantic. This soon became the dominating system over the whole of Europe and the cyclonic disturbances were confined to the most northern and southern or south-eastern parts of Europe. The former depressions continued to give gales in various parts of Scandinavia, while at the end of the week a North-Easterly gale prevailed on the coasts of the Adriatic. The highest point reached by the barometer within the anticyclone was 31·06 ins. at the Scilly Isles on the 27th.

Very little rain occurred over the United Kingdom and the greater part of the Continent, but falls of rain or snow were rather common in the most northern countries, and a little rain was experienced in the south. Temperature varied a good deal, but its general level was low over the Continent and frost was again registered in Italy.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 20.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	6·7	− 1·8	13	− 4
STRATHPEFFER SPA	9·2	− 0·4	17	− 1
CRATHES	17·8	—	33	—
BALRUDDERY	14·8	—	27	—
EDINBURGH	8·3	− 1·0	15	− 2
COCKLE PARK	17·9	—	32	—
NEWCASTLE-on-TYNE	7·5	—	13	—
SALTBURN-by-the-SEA	?9·8	—	?17	—
YORK	8·0	− 0·7	14	− 1
SKEGNESS	11·9	—	21	—
CROMER	13·3	—	23	—
LOWESTOFT	13·0	—	22	—
DUNMOW	12·7	—	21	—
SHEFFIELD	11·4	—	20	—
WORKSOP	11·4	+ 1·5	20	+ 3
THURCASTON	16·9	+ 6·4	29	+ 11
MARGATE	15·1	+ 3·0	25	+ 5
BROADSTAIRS	17·3	—	30	—
RAMSGATE	17·9	—	30	—
EASTBOURNE	23·6	+ 10·1	39	+ 17
BRIGHTON	21·5	+ 8·1	35	+ 13
WORTHING	21·8	—	36	—
BOGNOR	22·1	—	36	—
VENTNOR HOSPITAL	24·8	+ 11·5	41	+ 19
BOURNEMOUTH	25·9	—	43	—
MARLBOROUGH	20·1	+ 9·2	34	+ 15
SOUTHPORT	12·3	—	21	—
RHYL	15·8	—	27	—
ABERDOVEY	18·3	—	31	—
TENBY	26·3	+ 11·0	44	+ 18
TORQUAY	24·2	+ 9·6	40	+ 16
NEWQUAY	21·1	+ 7·0	35	+ 12
GUERNSEY	33·0	+ 18·3	53	+ 30

Reports received too late for insertion in their proper places.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 3, page 18	Broadstairs	—	—	—	—	—	—	—	—	—	—	—	28·2	—	49	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* } No. 5. FIFTH WEEK, ENDING SATURDAY, FEBRUARY 4TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 26.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	52	26	44·3	34·8	39·6	2 above	6	− 1	27	− 9	36	+ 4	134	− 48
	1. SCOTLAND, EAST	55	24	46·4	35·6	41·0	4 above	12	+ 4	25	−16	48	+11	156	− 55
	2. ENGLAND, N.E.	54	31	47·3	37·4	42·3	5 above	21	+12	13	−22	45	+ 6	147	− 37
	3. ENGLAND, EAST	54	30	47·6	36·5	42·1	4 above	24	+14	15	−24	42	+ 2	170	− 34
	4. MIDLAND COUNTIES	54	29	47·8	37·1	42·5	4 above	24	+12	14	−26	47	− 3	179	− 31
	5. ENGLAND, SOUTH	54	30	48·0	36·8	42·4	3 above	25	+11	15	−15	50	−13	151	− 9
Principal Grazing Districts.	6. SCOTLAND, WEST	51	29	46·3	39·0	42·7	4 above	18	+ 9	8	−22	55	+ 6	95	− 56
	7. ENGLAND, N.W.	54	34	47·0	40·4	43·7	4 above	19	+ 8	4	−25	60	+11	108	− 41
	8. ENGLAND, S.W.	52	25	48·0	39·9	44·0	3 above	23	+ 6	6	−16	65	−15	105	− 9
	9. IRELAND, NORTH	51	34	47·6	39·4	43·5	3 above	21	+ 7	7	−18	79	+11	73	− 57
	10. IRELAND SOUTH	56	28	49·7	40·6	45·2	3 above	28	+ 7	4	−15	127	+24	51	− 50
	— CHANNEL ISLANDS	53	40	50·2	43·4	46·8	3 above	34	+10	0	−10	136	+17	25	− 27

Rainfall.

	DISTRICTS. (See p. 26.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	26	16 more	28	+ 4	7·8	+ 2·4
	1. SCOTLAND, EAST	5	5	1 less	17	− 3	1·5	− 1·6
	2. ENGLAND, N.E.	1	1	3 less	10	− 8	0·5	− 1·6
	3. ENGLAND, EAST	2	less than half	4 less	12	− 8	0·8	− 1·3
	4. MIDLAND COUNTIES	3	1	4 less	14	− 4	1·0	− 1·6
	5. ENGLAND, SOUTH	2	1	5 less	11	− 8	1·3	− 1·0
Principal Grazing Districts.	6. SCOTLAND, WEST	6	9	3 less	23	+ 1	4·2	− 1·7
	7. ENGLAND, N.W.	5	3	4 less	19	− 1	2·1	− 1·3
	8. ENGLAND, S.W.	5	3	5 less	16	− 6	1·9	− 2·4
	9. IRELAND, NORTH	7	5	2 less	25	+ 1	3·2	− 0·5
	10. IRELAND, SOUTH	5	2	7 less	21	− 2	3·1	− 1·6
	— CHANNEL ISLANDS	5	2	5 less	19	− 4	1·7	− 2·1

Bright Sunshine.

	DISTRICTS. (See p. 26.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	− 7	7	−12	27	− 9	11	− 4
	1. SCOTLAND, EAST	17	− 1	29	− 2	59	− 2	22	− 1
	2. ENGLAND, N.E.	21	+ 1	36	+ 2	70	− 2	25	− 1
	3. ENGLAND, EAST	32	+16	52	+26	98	+ 39	34	+14
	4. MIDLAND COUNTIES	22	+10	35	+16	73	+ 26	26	+ 9
	5. ENGLAND, SOUTH	27	+11	43	+18	92	+ 32	31	+11
Principal Grazing Districts.	6. SCOTLAND, WEST	9	− 2	15	− 3	45	− 4	17	− 2
	7. ENGLAND, N.W.	13	+ 3	22	+ 5	49	+ 3	18	+ 1
	8. ENGLAND, S.W.	13	− 4	20	− 6	71	+ 9	24	+ 3
	9. IRELAND, NORTH	7	− 6	12	−10	32	− 22	12	− 8
	10. IRELAND, SOUTH	9	− 7	14	−11	45	− 21	16	− 7
	— CHANNEL ISLANDS	16	− 3	25	− 4	92	+ 18	31	+ 6

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather during this week was again fine and bright over the central, southern, and eastern parts of England, but elsewhere the sky was more cloudy and rain was experienced on several occasions—heavily in the north of Scotland.

Temperature was above the mean, the excess ranging from 2° in Scotland N. to as many as 5° in England N.E. The highest of the maxima were mostly registered towards the close of the week, and ranged from 56° in Ireland S. and 55° in Scotland E. to 51° in Scotland W. and Ireland N. The lowest of the minima, which were generally recorded either early or late in the period, ranged from 24° in Scotland E. and 25° in England S.W. to 34° in England N.W. and Ireland N., and to 40° in the Channel Islands.

Rainfall was greatly in excess of the mean in Scotland N., but in all other parts of the Kingdom there was a deficit. The fall in central, southern, and eastern England was again extremely slight.

Bright Sunshine was deficient over Ireland, Scotland, the south-west of England, and in the Channel Islands, but was abundant elsewhere. The percentage of the possible duration ranged from 52 in England E. and 43 in England S. to 12 in Ireland N. and to 7 in Scotland N.

Barometer and Wind. Under the influence of an anticyclone off the south-west coasts the barometer remained high over the greater part of England, but although no depressions passed over any part of the Kingdom, the mercury was subject to considerable fluctuations over our northern districts owing to large disturbances which travelled eastward from the Atlantic to Scandinavia. Some of these systems caused very steep gradients over the more northern parts of these Islands, the resulting Westerly to North-Westerly winds being very strong generally, and blowing a gale on many parts of our coasts.

3335 870 Wy. & S. Ltd. 2 | 5

II.—DATA from which the SUMMARY on page 25 has been calculated.

Districts. Jan. 29–Feb. 4, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	49	27	42·4	33·4	37·9	− 0·7	1	30	7	1·22	+ 0·41	*	*	*	*
	Stornoway	50	30	45·6	37·3	41·5	+ 2·7	10	19	7	2·23	+ 1·20	2·9	− 8·9	5	− 16
	Wick	52	26	44·9	33·6	39·3	+ 1·7	8	32	7	1·82	+ 1·33	*	*	*	*
	Lairg Ⓢ	—	—	—	—	—	—	—	—	—	—	—	*	*	*	*
	Glencarron Ⓢ	48	29	44·3	34·8	39·6	+ 2·5	6	27	7	5·37	+ 3·46	*	*	*	*
	Fort Augustus Ⓢ	50	27	44·1	35·1	39·6	+ 1·7	6	26	7	2·45	+ 1·45	1·4	− 6·2	3	− 11
1. SCOTLAND, E.	Nairn	54	26	45·9	34·4	40·2	+ 2·7	11	30	6	0·91	+ 0·52	*	*	*	*
	Aberdeen	55	28	48·4	35·4	41·9	+ 4·1	18	28	5	0·24	− 0·31	18·2	+ 2·5	32	+ 4
	Braemar Ⓢ	49	24	41·9	31·9	36·9	+ 2·4	0	36	6	1·04	+ 0·35	*	*	*	*
	Clathick Ⓢ	54	28	48·1	37·6	42·9	+ 5·6	25	12	5	0·52	− 0·45	*	*	*	*
	Leith Ⓢ	53	31	48·3	37·1	42·7	+ 3·4	25	14	2	0·13	− 0·24	*	*	*	*
	Marchmont Ⓢ	50	29	45·6	37·1	41·4	+ 4·7	10	20	3	0·15	− 0·45	11·3	− 2·5	19	− 4
2. ENGLAND, N.E.	Alnwick Castle	51	34	47·6	38·6	43·1	+ 5·4	22	10	2	0·11	− 0·42	*	*	*	*
	Durham	51	33	46·6	38·7	42·7	+ 5·4	19	9	2	0·18	− 0·22	17·3	+ 3·3	29	+ 6
	Shields	52	32	48·1	36·1	42·1	+ 3·4	25	17	2	0·07	− 0·30	*	*	*	*
	Scarborough Ⓜ	54	35	49·3	38·1	43·7	+ 5·1	28	11	2	0·02	− 0·42	25·2	—	42	—
	Spurn Head	50	35	45·4	36·9	41·2	+ 2·8	10	21	0	0·00	− 0·32	*	*	*	*
	Lincoln	52	31	47·5	36·9	42·2	+ 4·8	23	14	0	0·00	− 0·40	*	*	*	*
	Fulbeck	52	33	46·5	36·3	41·4	+ 4·4	13	23	2	0·05	− 0·32	27·3	—	45	—
3. ENGLAND, E.	Hillington Ⓜ	47	30	45·8	34·9	40·4	+ 2·8	11	28	1	0·01	− 0·43	28·2	+ 13·6	46	+ 22
	Yarmouth	51	34	46·4	36·0	41·2	+ 3·5	12	24	1	0·02	− 0·40	*	*	*	*
	Geldeston	54	32	48·3	36·4	42·4	+ 3·8	26	16	1	0·06	− 0·29	31·9	+ 16·3	52	+ 26
	Cambridge	54	30	48·9	36·6	42·8	+ 4·6	28	15	5	0·04	− 0·29	34·4	+ 19·4	56	+ 31
	Felixstowe	52	36	48·5	39·5	44·0	+ 5·4	25	7	2	0·03	—	31·7	—	51	—
	Clacton-on-Sea	50	32	47·4	35·3	41·4	+ 2·3	15	28	2	0·02	—	31·3	—	50	—
	Rothamsted	51	34	47·4	36·5	42·0	+ 4·3	15	15	1	0·02	− 0·48	28·2	+ 14·2	45	+ 23
	Shoeburyness	51	33	48·3	36·7	42·5	+ 3·5	26	15	0	0·00	− 0·32	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	49	32	45·9	36·5	41·2	+ 3·9	11	22	7	0·39	− 0·20	21·3	—	35	—
	Bawtry (Hesley Hall)	52	29	48·1	37·9	43·0	+ 5·0	24	11	4	0·11	− 0·28	*	*	*	*
	Nottingham	53	34	48·1	37·6	42·9	+ 4·6	25	12	4	0·05	− 0·36	21·2	—	35	—
	Colly Weston (Stamford)	52	33	48·1	36·1	42·1	+ 4·3	25	17	0	0·00	− 0·44	*	*	*	*
	Cheadle Ⓜ	51	36	46·3	37·1	41·7	+ 4·8	12	20	4	0·19	− 0·38	*	*	*	*
	Birmingham (Edgbaston)	50	34	47·2	37·6	42·4	+ 4·0	21	12	3	0·05	− 0·41	21·5	—	35	—
	Shrewsbury	54	35	49·8	39·7	44·8	+ 5·4	29	6	2	0·04	—	*	*	*	*
	Hereford Ⓜ	54	33	49·0	37·8	43·4	+ 4·4	27	12	1	0·07	− 0·46	*	*	*	*
	Cirencester	50	30	46·7	35·1	40·9	+ 3·0	13	27	1	0·01	− 0·62	23·9	+ 8·9	38	+ 14
	Oxford	52	32	48·6	36·0	42·3	+ 3·6	27	17	2	0·02	− 0·41	28·4	+ 14·6	45	+ 23
	Westminster	53	30	48·4	35·9	42·2	+ 2·6	27	17	1	0·01	—	16·0	—	25	—
5. ENGLAND, S.	London (Brixton)	53	32	48·6	36·6	42·6	+ 3·0	27	15	1	0·02	− 0·41	18·1‡	+ 10·1‡	29‡	+ 16‡
	Wisley (Surrey)	52	33	48·1	36·3	42·2	+ 2·8	25	16	1	0·01	—	30·7	—	49	—
	Swarraton (Alresford) Ⓜ	51	30	46·8	34·4	40·6	+ 2·5	13	30	3	0·09	− 0·57	*	*	*	*
	Tunbridge Wells Ⓜ	53	31	47·4	34·9	41·2	+ 3·5	15	29	2	0·02	—	32·5	—	52	—
	Dungeness	50	32	48·6	35·4	42·0	+ 2·4	18	18	2	0·03	− 0·33	31·5	—	50	—
	Hastings (St. Leonards)	53	33	48·1	36·7	42·4	+ 2·6	25	15	1	0·03	− 0·52	35·0	+ 17·7	56	+ 28
	Southampton	54	33	50·5	38·0	44·3	+ 4·0	33	11	2	0·03	− 0·62	19·9	+ 4·2	32	+ 7
	Portland Bill	49	41	47·7	42·4	45·1	+ 3·1	22	0	3	0·07	—	*	*	*	*
	Shaftesbury Ⓜ	49	32	46·4	36·2	41·3	+ 3·1	12	23	5	0·17	− 0·50	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	51	33	47·6	38·5	43·1	+ 3·4	22	10	7	2·14	+ 0·41	*	*	*	*
	Glasgow	50	34	46·1	39·9	43·0	+ 4·4	16	6	6	0·55	− 0·27	4·8	− 3·9	8	− 7
	Cally Ⓢ	49	29	46·4	36·9	41·7	+ 3·1	12	21	7	1·05	+ 0·02	*	*	*	*
	Aspatria	47	34	44·6	38·1	41·4	+ 3·5	7	16	5	0·41	—	6·0	—	10	—
	Douglas (Isle of Man)	50	37	46·9	41·7	44·3	+ 3·7	17	1	4	0·09	− 0·80	15·4	+ 0·4	26	+ 1
7. ENGLAND, N.W.	Newton Rigg	49	34	45·1	38·0	41·6	+ 5·4	9	17	5	0·55	—	12·4	—	21	—
	Stonyhurst	48	36	45·1	40·0	42·6	+ 4·5	13	6	5	0·39	− 0·48	14·6	+ 2·9	24	+ 5
	Blackpool Ⓜ	48	40	45·6	41·4	43·5	+ 4·8	13	2	4	0·14	− 0·46	18·2	+ 5·9	30	+ 10
	Manchester (Prestwich)	49	37	46·3	39·5	42·9	+ 4·4	17	7	7	0·33	− 0·29	9·3	—	15	—
	Liverpool Obsy. (Bidston)	51	37	47·3	40·3	43·8	+ 4·2	20	5	3	0·23	− 0·22	16·2	—	27	—
	Chester (Hawarden Bridge)	54	40	50·0	41·9	46·0	+ 5·8	28	0	2	0·08	—	*	*	*	*
	Llandudno Ⓜ	51	37	48·2	39·0	43·6	+ 2·0	24	8	4	0·30	− 0·26	15·2	+ 0·7	25	+ 1
	Holyhead	50	39	47·3	41·4	44·4	+ 2·7	19	2	5	0·08	− 0·57	*	*	*	*
	Bettws-y-Coed	53	37	48·2	42·1	45·2	+ 3·8	22	0	7	0·45	—	10·0	—	16	—
8. ENGLAND, S.W.	Llangammarch Wells	50	37	46·5	39·2	42·9	+ 3·6	18	8	6	0·55	—	10·2	—	17	—
	Pembroke	50	43	48·7	44·4	46·6	+ 4·3	32	0	4	0·13	− 0·61	12·3	− 3·7	20	− 6
	Cardiff	50	27	48·5	36·0	42·3	+ 1·3	27	17	5	0·31	—	*	*	*	*
	Clifton	49	33	45·9	39·4	42·7	+ 2·6	16	7	4	0·05	− 0·65	*	*	*	*
	Bath	52	25	48·7	36·3	42·5	+ 1·9	27	16	3	0·10	− 0·51	19·0	—	30	—
	Arlington (N. Devon)	48	34	46·7	39·0	42·9	+ 2·5	19	8	5	0·80	− 0·22	*	*	*	*
	Cullompton Ⓜ	51	31	49·2	38·9	44·1	+ 3·7	28	9	6	0·36	− 0·38	13·5	− 0·5	21	− 1
	Falmouth	52	38	48·7	43·0	45·9	+ 2·4	27	0	3	0·08	− 0·96	11·7	− 5·6	18	− 9
	Plymouth	51	39	49·0	42·7	45·9	+ 3·5	27	0	5	0·12	− 0·66	15·6	− 0·2	24	0
9. IRELAND, N.	Malin Head	50	34	47·0	38·6	42·8	+ 1·2	20	10	6	0·72	+ 0·18	*	*	*	*
	Edenfel (Omagh)	50	34	46·9	37·7	42·3	+ 3·9	20	12	7	0·52	− 0·17	*	*	*	*
	Blacksod Point	51	39	48·7	42·7	45·7	+ 2·9	26	0	7	0·73	− 0·25	*	*	*	*
	Markree Castle	51	36	48·3	40·4	44·4	+ 4·4	24	4	7	0·67	− 0·09	6·4	− 6·9	11	− 12
	Armagh	51	35	47·3	39·4	43·4	+ 3·9	21	7	6	0·17	− 0·39	8·0	− 5·2	13	− 9
	Donaghadee	51	35	47·4	37·6	42·5	+ 1·8	22	12	6	0·22	− 0·36	*	*	*	*
10. IRELAND, S.	Dublin	54	36	49·3	41·1	45·2	+ 3·2	26	3	4	0·06	− 0·41	13·0	− 2·8	21	− 5
	Birr Castle	52	34	48·4	37·1	42·8	+ 2·6	26	14	7	0·18	− 0·42	7·9	− 6·8	13	− 11
	Kilkenny	53	35	48·4	38·3	43·4	+ 2·0	25	10	2	0·08	− 0·60	*	*	*	*
	Waterford	55	28	50·1	37·6	43·9	+ 2·3	32	12	3	0·06	− 0·84	*	*	*	*
	Roche's Point	54	36	49·9	42·0	46·0	+ 2·6	28	0	6	0·25	− 0·81	*	*	*	*
	Valencia	53	42	51·0	43·7	47·4	+ 2·9	38	0	7	0·55	− 0·75	5·2	− 10·5	8	− 17
	Killarney	56	34	51·2	41·3	46·3	+ 3·2	33	2	5	0·21	− 1·11	*	*	*	*
	Foynes	51	40	49·2	44·0	46·6	+ 4·4	32	0	6	0·21	− 0·56	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	53	40	50·3	42·4	46·4	+ 0·8	31	0	4	0·09	− 0·64	9·1	− 9·0	14	− 14
	Jersey (St. Aubyn's)	52	42	50·0	44·3	47·2	+ 4·5	36	0	6	0·29	− 0·35	19·1	− 0·7	29	− 1

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

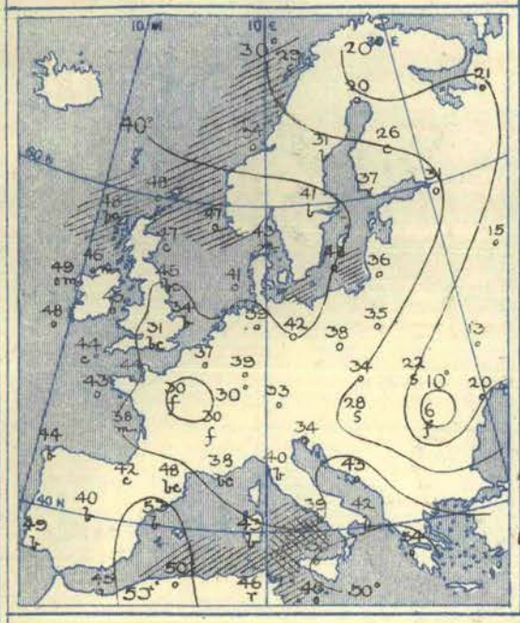
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 33 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

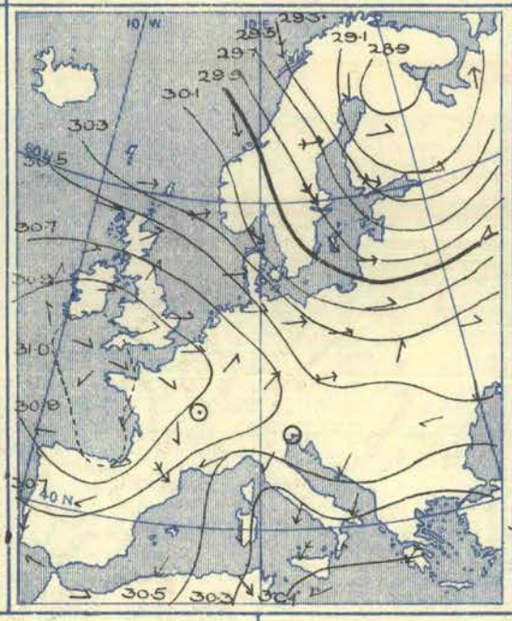
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 29th January, 1905.

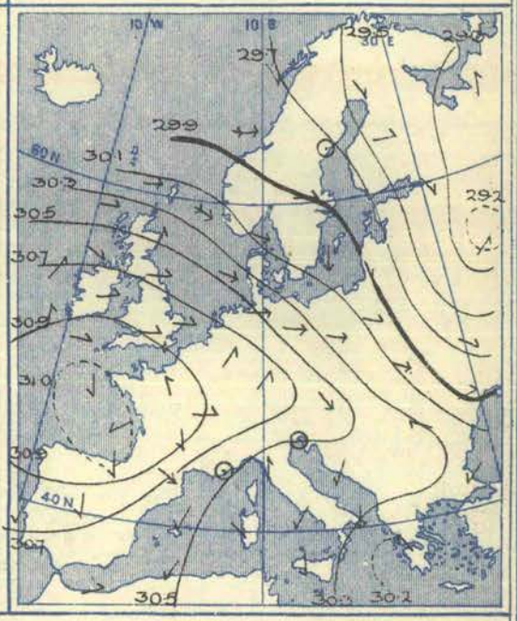
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine generally, but cloudy or dull in Ireland and the most northern and eastern parts of the Continent. Snow falling at Bodö, Archangel, and Lemberg, and rain or snow over the Gulf of Finland. More than an inch of rain and snow falling later at Christiansund and nearly as much rain at Sfax and Aumale. A little rain measured over various parts of these Islands.

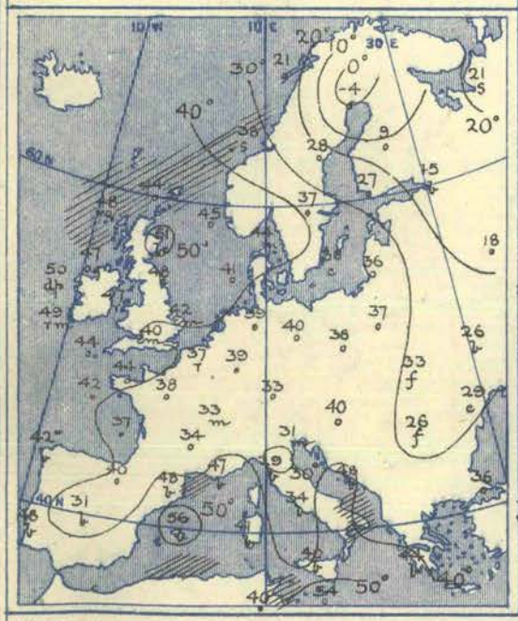
Temperature risen decidedly except over Norway and the United Kingdom. Morning readings ranging from about 50° in a few of the most southern localities and slightly lower on our own western and northern coasts to below 20° over the greater part of Russia, to 6° at Hermanstadt, and to −5° at Kharkov. Rising subsequently to 60° on the coasts of the Spanish Peninsula, to about 55° in several other southern districts, and to 52° at Valencia (Ireland). Frost continuing all day in the north of Scandinavia, most of Russia, and in Transylvania.

Wind in morning showing a nearly complete cyclonic circulation over the northern half of the Continent, the North-Westerly current blowing a gale over Scandinavia, the Baltic, North Germany, and the Gulf of Finland. Northerly to Easterly winds prevailing over the Mediterranean; fresh or strong generally, and a gale in places. Light to moderate anticyclonic breezes prevalent over our Islands. Not much change taking place later except some decrease in force.

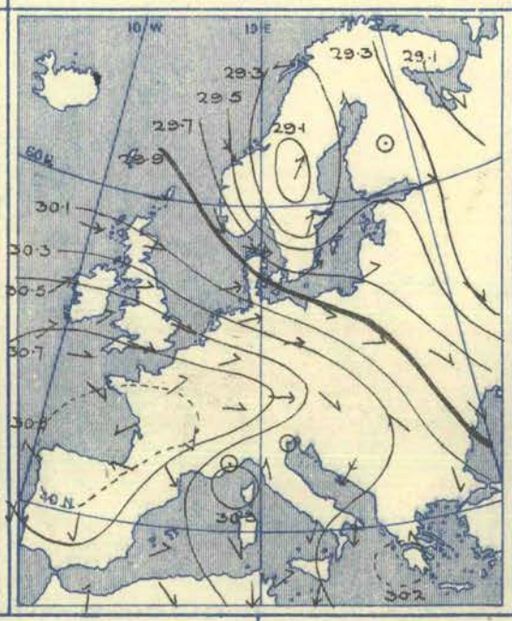
Barometer at 8 a.m. ranging from 31·0 ins. and a little higher in an anticyclone centred over the Bay of Biscay, Brittany, and our south-western coasts to less than 30·1 ins. over the central parts of the Mediterranean, and to below 28·9 ins. over the north of Finland. Gradients very steep over the northern countries of the Continent. Northern depression travelling south-eastwards during day and becoming less deep. Anticyclone receding southwards and giving way slowly, and a fresh baric fall setting in on our north and west coasts.

Monday, 30th January, 1905.

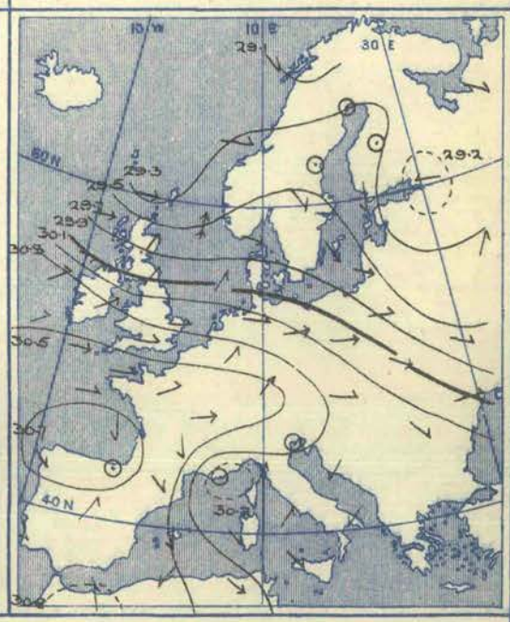
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in most parts of southern Europe, but cloudy or overcast generally, with rain on our extreme west and north-west coasts and at Brussels, and snow at Christiansund and Archangel. Slight rain falling later in many parts of our Islands and rather heavy amounts in the Shetlands and Hebrides. Rain or snow experienced in a few Continental regions.

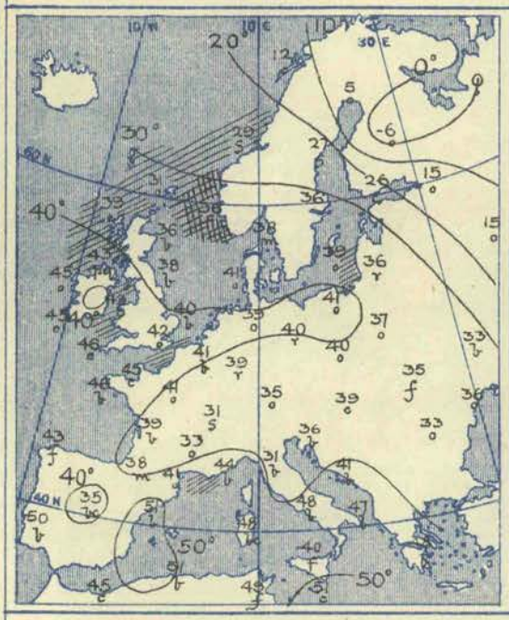
Temperature changed irregularly. Morning readings ranging from 56° at Palma, 54° at Malta, and 51° at Aberdeen, to between 40° and 30° over the greater part of the Continent, below 30° in the north of Italy, 15° at St. Petersburg, 9° at Kuopio, and to −4° at Haparanda. Maxima during day 50° or rather higher in most parts of the United Kingdom and about 60° at some stations in the extreme south of Europe and in Algeria. Highest values, 64° at Barcelona and 66° at Palma. Maxima only 50° and 40° respectively at Brindisi and Pesaro.

Wind at 8 a.m. circulating cyclonically over the north of Europe and in most of the southern regions. North-Westerly current blowing a gale in Norway and the Skager Rack. A Northerly to North-Easterly gale prevailing over the Adriatic. A moderate to strong Westerly current sweeping over our Islands and the North Sea. Wind backing to South-South-West and blowing a whole gale at Skudesnaes by 6 p.m., and a brief gale from West-North-West springing up on our north-east coasts during night. Extremely severe in places; force "11" reported at Aberdeen.

Barometer at 8 a.m. highest, 30·8 ins. and upwards in an anticyclone over the Bay of Biscay and the adjacent parts of France and Spain. Lowest, 29·0 ins. in a deep depression centred near Hernösand. Relatively low in two depressions over the southern regions. Barometer falling rapidly later in the north of Scotland under the influence of another deep depression approaching from the Atlantic, and gradients becoming very steep over the north of our Islands.

Tuesday, 31st January, 1905.

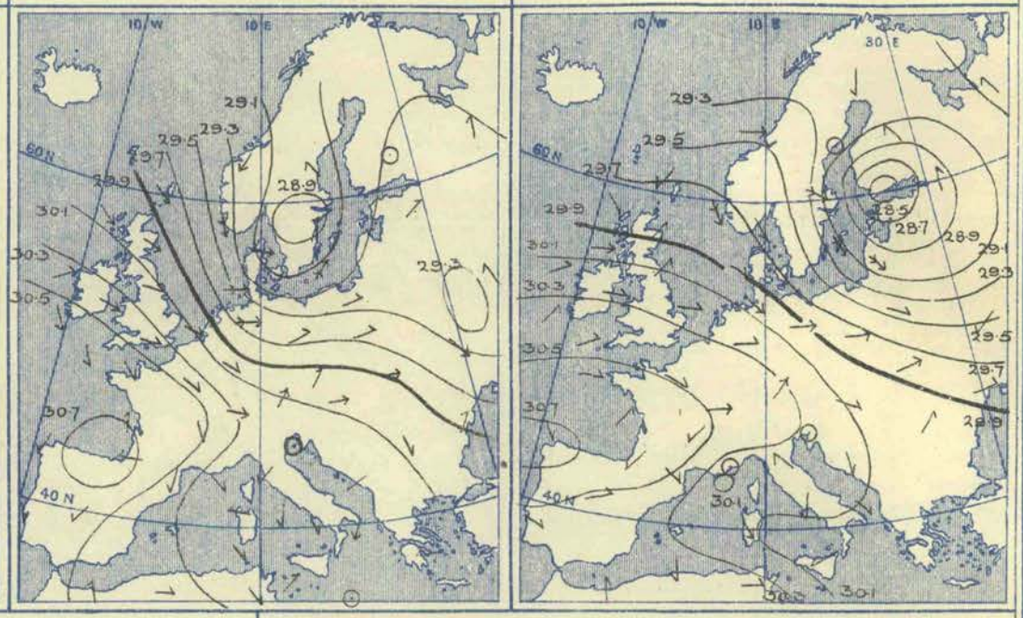
Temperature and Weather. 8 a.m.



Weather at 8 a.m. fine in most parts of our Islands, France, and southern Europe, but snow falling at Wick, and also at Belfort and Limoges, and fog prevailing at Corunna. Very cloudy over the central and northern countries, with snow in different parts of Scandinavia and rain in Germany. Heavy sleet, snow, or rain squalls experienced later over the north of Scotland, slight rain in several other parts of our Islands and France, and snow in various northern regions.

Temperature risen a little in some localities, but fallen generally. Morning readings highest, 51° at Barcelona, Malta, and Algiers, 50° at Lisbon. Lowest, −6° at Kuopio, 0° (zero) at Archangel, 12° at Bodö, 15° at St. Petersburg and Moscow, 26° at Turin, 31° at Florence and Sumburgh Head, 35° at Madrid. Rising to 50° on our extreme south-west coasts later, to some degrees higher at most Italian and Spanish stations, and to above 60° in Algeria and at Lisbon. Highest values, 68° at Nemours. Frost very severe all day over the extreme north and north-east of Europe.

Barometer and Wind. 8 a.m. and 6 p.m.

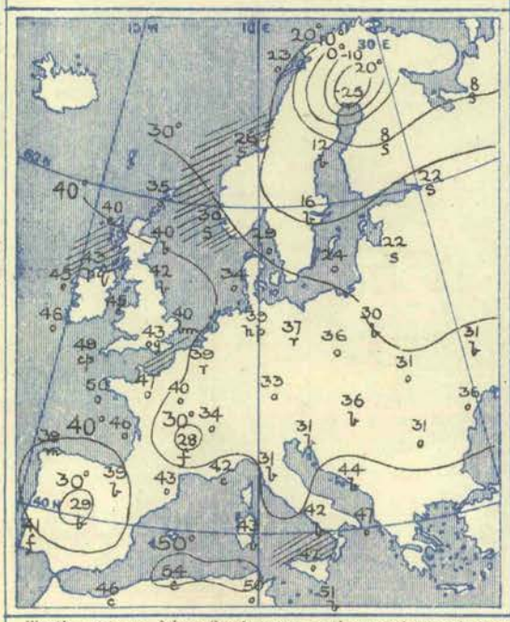


Wind in morning showing an extensive cyclonic circulation around central Sweden, the North-Westerly and Westerly current blowing freshly or strongly over the United Kingdom, and a fresh to very strong gale over Norway, Denmark, and the Baltic. Light anticyclonic airs over the Bay of Biscay and its vicinity and light variable (cyclonic) winds over the Mediterranean region. Gale over northern Europe extending further eastwards during day and wind backing on our own south-west coasts.

Barometer at 8 a.m. ranging from above 30·7 ins. over the southern part of the Bay of Biscay to below 30·2 ins. in an ill-defined low pressure area over Italy and its vicinity, and to below 28·8 ins. in a deep and well-marked depression centred near Lake Wetter. A fresh baric fall taking place on our own western coasts during day; northern disturbance travelling eastwards to the Gulf of Finland and becoming still deeper. Gradients decreasing over the North Sea and Norway, but increasing in the immediate neighbourhood of the disturbance.

Wednesday, 1st February, 1905.

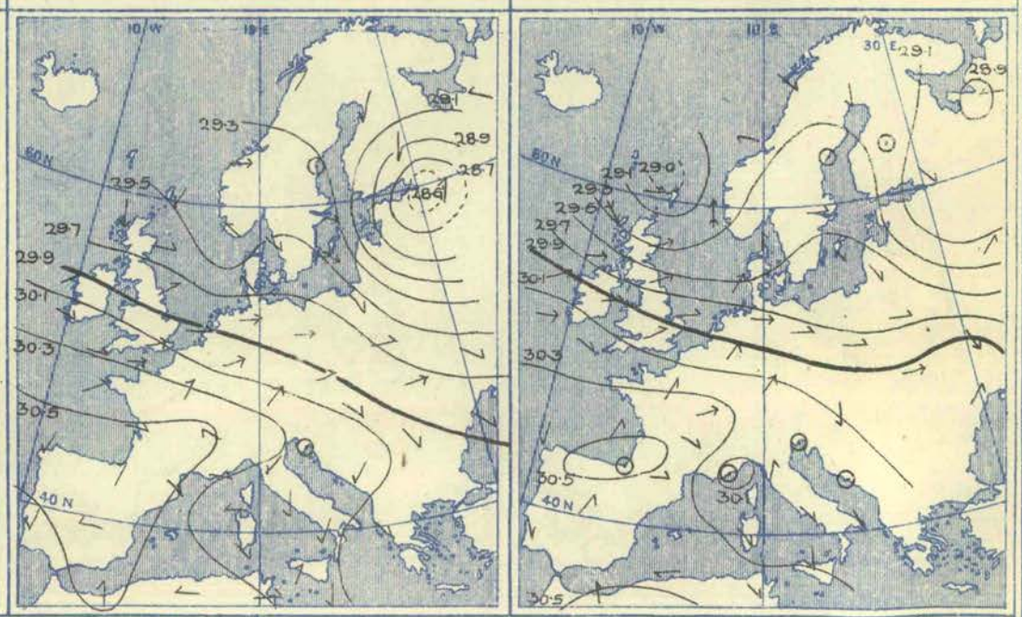
Temperature and Weather. 8 a.m.



Weather at 8 a.m. fair or fine in many southern regions and also at several of our own and the Swedish stations; cloudy or dull generally, with sleet showers at Caithness and rain or snow in various localities in northern Europe. Heavy sleet occurring later at Wick and Stornoway, slight rain showers in most parts of our Islands, and a considerable quantity of rain at Tunis.

Temperature fallen over the central countries, Denmark, and Scandinavia, risen over Finland and the United Kingdom. Morning readings highest, 54° at Algiers, 51° at Malta, 50° at Brest. Lowest, −25° at Haparanda, +8° at Archangel, 16° at Stockholm, 29° at Pesaro and Madrid, and about 36° over the central parts of the Continent and in the north of Scotland. Maxima during day exceeding 60° in the south of England, the west of France, and most parts of southern Europe, and touching 63° or 64° in Algeria. Thermometer not rising above zero at Haparanda.

Barometer and Wind. 8 a.m. and 6 p.m.

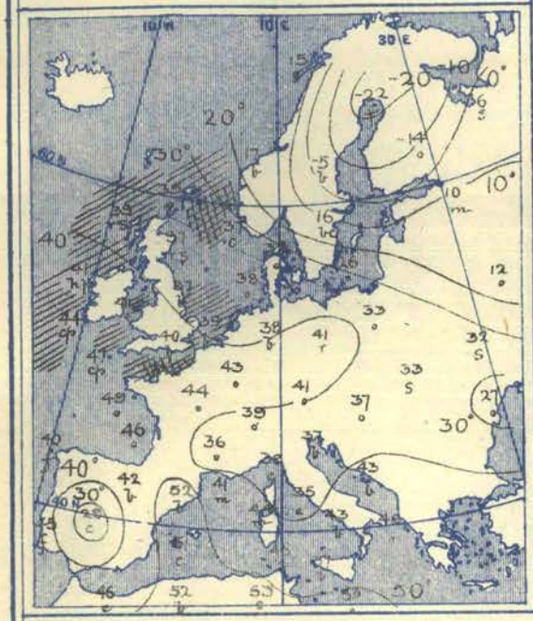


Wind at 8 a.m. showing a complete cyclonic circulation over Finland and its vicinity, the North-Westerly current blowing a gale over the Isle of Gothland and at Helsingfors. A partial cyclonic circulation prevailing over the Mediterranean, and a strong Easterly wind at Skudesnaes. A Westerly gale blowing at Malin Head and a fresh to light Westerly breeze over our Islands generally. Increasing to a moderate to fresh or strong gale on most parts of our coasts during the evening or night, but gales subsiding over northern Europe.

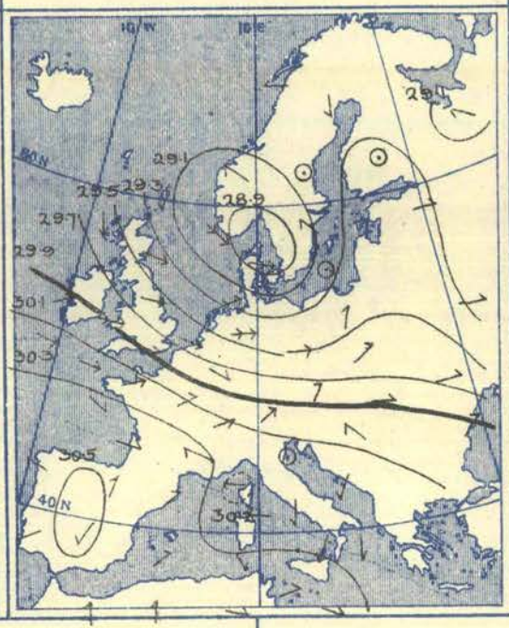
Barometer at 8 a.m. ranging from above 30·5 ins. in an anticyclone over the south-western portion of our area to less than 28·6 ins. in a deep depression centred over the Gulf of Finland. Relatively low in a "Secondary" near Skudesnaes and also over the Mediterranean. Finnish disturbance travelling north-eastwards later, but another depression appearing off our northern coasts, and a local minimum forming over the Gulf of Genoa. Gradients increasing quickly over our Islands.

Thursday, 2nd February, 1905.

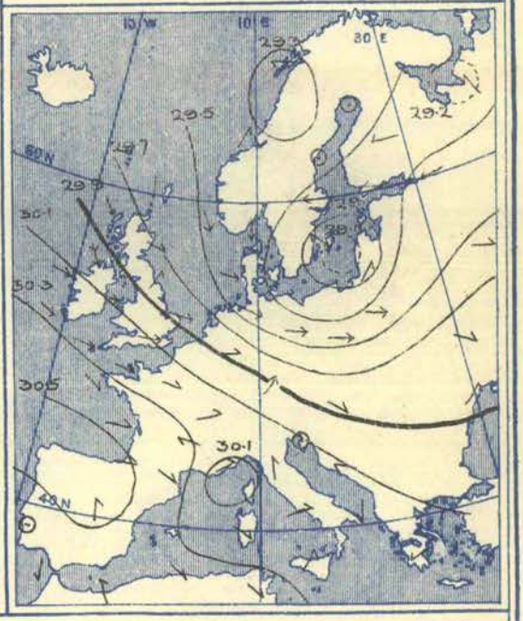
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in most regions, but cloudy or dull over the central and northern parts of the Continent, with snow or rain in several places. Sleet, hail, or rain showers falling on our own northern and north-western coasts. Fog prevalent on the Portuguese coast. Some rain experienced later in several parts of Germany, France, and in our own northern and western districts, and some rain or snow in northern Europe.

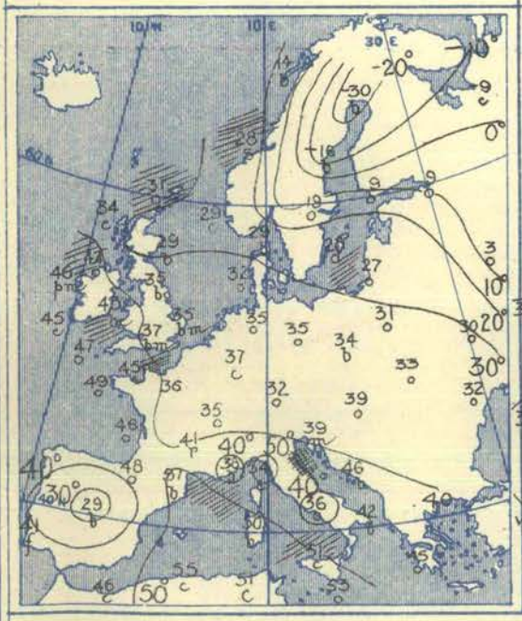
Temperature risen somewhat over France and the central countries, fallen as a whole. Morning readings highest, 53° at La Calle, 52° at Barcelona and Algiers, 49° at Brest. Lowest, (1) −22° at Haparanda, + 2° at Helsingfors, 12° at Moscow, 22° at Memel, (2) 15° to 17° on the north-west coast of Norway, (3) 24° at Turin, 31° at Florence and Pesaro, (4) 29° at Madrid. Rising later to above 60° in Algeria, and to above 50° in the south generally and along the west coast of France. Maximum at Haparanda 17° below zero.

Wind in morning circulating cyclonically around the south of Norway, the Westerly current blowing a gale on several parts of our own coasts, over Denmark, and at Skudesnaes. Light and irregularly cyclonic over Italy and its neighbourhood. Very little change occurring during day.

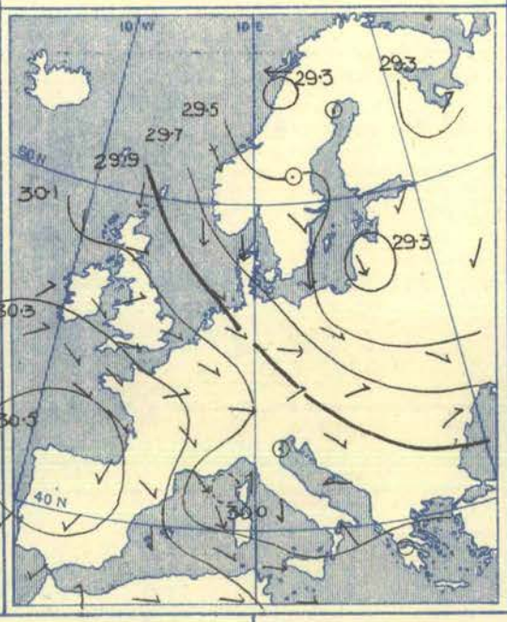
Barometer at 8 a.m. highest, 30·5 ins. and upwards in an anticyclone over Spain. Lowest, less than 28·8 ins. in a deep disturbance having its centre over the Skager Rack. Low areas also found in the north of Russia and off the south coast of France. Danish depression travelling eastwards during day and pressure increasing quickly in its rear, but scarcely any modification taking place in the general distribution.

Friday, 3rd February, 1905.

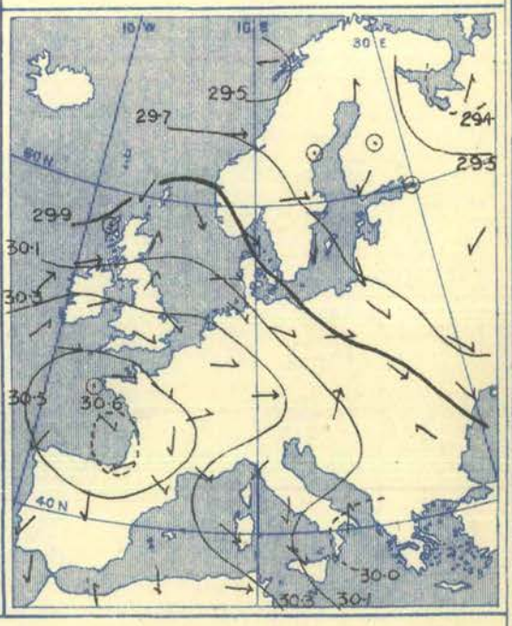
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast over Russia and central Europe and also on the most western coasts of our Islands and France. Generally fine elsewhere, but snow falling at Christiansund and rain at Lyons, and fog again prevailing on the coast of Portugal. Fog continuing all day at Lisbon, about half an inch of rain falling at Stornoway and Wick, and smaller amounts in the west and north of our Islands generally and also in Germany.

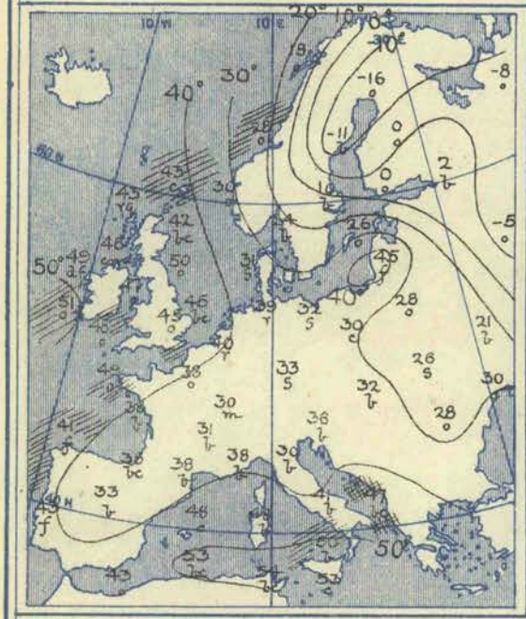
Temperature fallen except at some southern stations. Morning readings highest, 55° at Algiers, 53° at Malta, 49° at Brest. Lowest, (1) −30° at Haparanda, −9° at Archangel, + 3° at Moscow, 7° at Karlstad, (2) 27° to 29° in the north-east of Scotland, (3) 29° at Madrid, (4) 30° at Turin. Rising later to above 50° on our most west and south-west coasts, in the west of France, and the south of Europe, and to 63° at Algiers. Not rising above zero in the north of Sweden

Wind at 8 a.m. showing two complete cyclonic circulations over the Continent and an anticyclonic movement round the Bay of Biscay. Moderate to strong between West and North-West over our Islands. North-Westerly current strong to a gale on the west coast of Norway and in Gothland. Fresh or strong North-Westerly or Westerly winds over several parts of the Mediterranean. Strength of wind decreasing over northern Europe during day and a considerable modification taking place in direction. Wind backing at our own western stations.

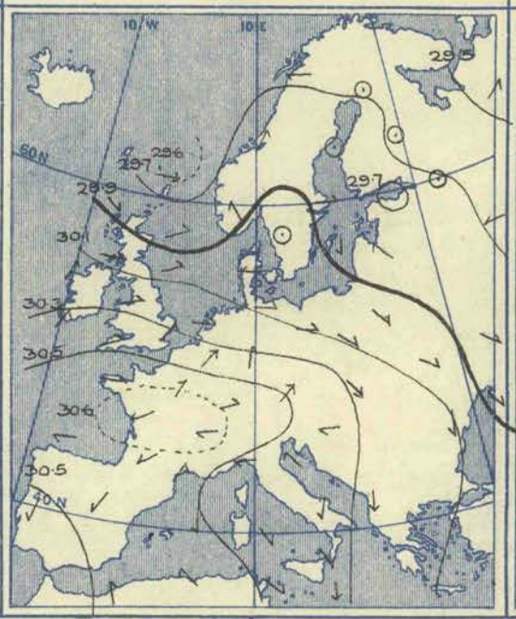
Barometer in morning ranging from above 30·5 ins. over the Bay of Biscay and the north of Spain to below 29·3 ins. over the north of Norway, and to less than 29·2 ins. in a depression centred between Memel and Riga. Relatively low in an ill-defined disturbance in the neighbourhood of the Gulf of Genoa. Pressure increasing later over France and the Bay of Biscay, but falling on our north and north-west coasts. Depressions over the northern regions of the Continent partially dispersing.

Saturday, 4th February, 1905.

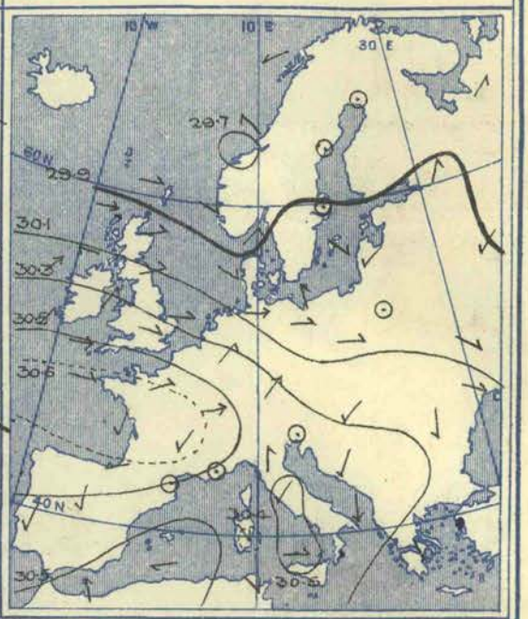
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Sweden and most parts of southern Europe; cloudy or overcast elsewhere, with rain on some parts of our west and north-west coasts, and at Brussels and Cuxhaven, and snow at Fanö, Lemberg, and in several parts of Germany. Fog still prevailing at Lisbon and Corunna. Various amounts of rain or snow experienced later over many of the more northern stations—heaviest fall, 0·5 in. at Breslau.

Temperature fallen in most southern, central, and eastern regions, risen elsewhere. Morning readings highest, 54° at Tunis, 53° at Malta and Algiers, 51° at Valencia (Ireland). Lowest, (1) −16° at Haparanda, −11° at Hernösand, and below zero over the northern half of Russia, (2) 30° at Belfort and Florence, (3) 33° at Madrid. Rising during day to 53° at Nottingham, 54° at Roche's Point, to about the same value in the south of France and Italy, and to 63° at San Fernando, Nemours, and Algiers.

Wind at 8 a.m. anticyclonic over our area generally, but a partial circulation of cyclonic (Westerly to Southerly) breezes prevailing in the extreme north-west, and a moderate to strong Northerly current blowing over the central parts of the Mediterranean. Very little change occurring later.

Barometer in morning ranging from above 30·6 ins. in an anticyclone centred over France and the Bay of Biscay to 29·6 ins. and less in a depression over the Shetlands and its neighbourhood, and to 29·45 ins. at Archangel. Other minima appearing later over Denmark and North Germany. Barometer rising decidedly during day in the Shetlands and briskly in the north of Russia.

IV.—GENERAL NOTES, etc.

At the beginning of the period the notable anticyclone of the preceding week was still lying over the Bay of Biscay and the adjacent parts of our own and the French coasts, the barometer standing at or above 31·0 ins. This system, while undergoing some modification in form and intensity, remained the dominant high pressure over our area during the whole of the week. Depressions—mostly large and deep—appeared over northern Europe from the Atlantic and were accompanied by strong winds or gales, while disturbances of smaller size and lesser intensity were observed in various parts of the Mediterranean region. The weather was dry over the major part of Europe, but snow or sleet was experienced at times over the more northern parts of the Continent, and falls of rain sometimes occurred in the north-west and north of the United Kingdom.

Temperature was very low over Russia and Scandinavia, but higher than of late over the centre and south of our area and also over the United Kingdom. Frost was, however, frequently recorded over the northern half of Italy and occasionally in central Spain.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 26.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	3·6	− 7·1	7	− 13	CROMER	32·7	—	54	—	BOGNOR	30·6	—	49	—
STRATHPEFFER SPA	7·9	− 4·0	14	− 7	LOWESTOFT	37·5	—	61	—	VENTNOR HOSPITAL	27·8	+ 11·6	48	+ 18
CRATHES	22·4	—	39	—	DUNMOW	31·4	—	51	—	BOURNEMOUTH	29·3	—	47	—
BALRUDDERY	23·8	—	41	—	SHEFFIELD	19·6	—	32	—	MARLBOROUGH	18·1	+ 5·6	29	+ 9
EDINBURGH	9·0	− 3·1	15	− 5	WORKSOP	18·0	+ 6·2	30	+ 10	SOUTHPORT	15·3	—	25	—
COCKLE PARK	20·6	—	35	—	THURCASTON	21·5	+ 9·1	35	+ 15	RHYL	14·5	—	24	—
NEWCASTLE-on-TYNE	11·7	—	20	—	MARGATE	31·3	+ 17·0	50	+ 27	ABERDOVEY	9·2	—	15	—
SALTBURN-by-the-SEA	17·9	—	30	—	BROADSTAIRS	—	—	—	—	TENBY	15·4	− 1·8	24	− 3
YORK	9·8	− 1·3	16	− 2	RAMSGATE	34·9	—	55	—	TORQUAY	26·9	+ 10·8	42	+ 17
SKEGNESS	31·2	—	51	—	EASTBOURNE	32·7	+ 17·0	52	+ 27	NEWQUAY	7·6	− 8·9	12	− 14
					BRIGHTON	29·4	+ 13·7	47	+ 22	GUERNSEY	19·1	+ 1·4	30	+ 2
					WORTHING	27·5	—	44	—					

ERRATA.—The values below must be substituted for those which have already appeared.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 1, page 2	Hillington	—	—	44·5	—	38·8	+ 2·0	7	36	—	—	—	—	—	—	—
" " "	Glasgow	51	—	47·8	41·7	—	—	22	1	—	—	—	—	—	—	—
" " "	Killarney	—	—	51·9	—	48·5	+ 5·3	46	—	4	—	—	—	—	—	—
" " 6	Bognor	—	—	—	—	—	—	—	—	—	—	—	9·3	17	—	—
No. 2, page 8	Glasgow	—	—	—	—	—	—	—	—	—	—	—	7·3	+ 2·3	15	+ 5

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* } No. 6. SIXTH WEEK, ENDING SATURDAY, FEBRUARY 11TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 32.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean	Below 42°	Difference from Mean
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	55	23	44·3	35·2	39·8	2 above	6	− 1	26	−10	42	+ 3	160	− 58
	1. SCOTLAND, EAST	58	23	46·5	35·5	41·0	4 above	13	+ 4	26	−15	61	+15	182	− 70
	2. ENGLAND, N.E.	54	24	46·6	35·5	41·1	3 above	13	+ 3	26	− 8	58	+ 9	173	− 45
	3. ENGLAND, EAST	55	23	46·8	36·9	41·9	3 above	13	+ 2	22	−16	55	+ 4	192	− 50
	4. MIDLAND COUNTIES	58	24	47·3	36·9	42·1	4 above	22	+ 9	14	−24	69	+ 6	193	− 55
	5. ENGLAND, SOUTH	54	31	48·3	41·6	44·9	5 above	22	+ 7	1	−28	72	− 6	152	− 37
Principal Grazing Districts.	6. SCOTLAND, WEST	51	27	46·8	37·2	42·1	3 above	21	+11	13	−16	76	+17	108	− 72
	7. ENGLAND, N.W.	56	25	46·9	38·0	42·5	3 above	20	+ 9	11	−17	80	+20	119	− 58
	8. ENGLAND, S.W.	55	34	48·9	42·1	45·5	4 above	25	+ 7	0	−22	90	− 8	105	− 31
	9. IRELAND, NORTH	53	28	48·3	38·4	43·4	3 above	25	+10	10	−14	104	+21	83	− 71
	10. IRELAND SOUTH	55	33	50·4	42·2	46·3	4 above	30	+ 8	0	−18	157	+32	51	− 68
	— CHANNEL ISLANDS	53	39	50·4	43·7	47·0	3 above	35	+10	0	− 9	171	+27	25	− 36

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 32.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	13	3 more	35	+ 6	9·2*	+ 2·8	14	+ 1	23	+ 2	41	− 7	13	− 2
	1. SCOTLAND, EAST	3	1	5 less	20	− 3	1·6	− 2·1	21	+ 4	34	+ 6	80	+ 1	25	0
	2. ENGLAND, N.E.	1	1	4 less	11	−11	0·6	− 1·9	18	0	28	0	88	− 2	26	− 1
	3. ENGLAND, EAST	3	2	2 less	15	− 8	1·0	− 1·5	15	− 3	22	− 5	113	+ 36	32	+10
	4. MIDLAND COUNTIES	3	1	4 less	17	− 5	1·1	− 1·9	11	− 8	17	−12	84	+ 18	24	+ 5
	5. ENGLAND, SOUTH	3	1	5 less	14	− 8	1·4	− 2·1	11	− 6	17	− 9	103	+ 27	29	+ 7
Principal Grazing Districts.	6. SCOTLAND, WEST	5	6	5 less	28	+ 2	4·8	− 2·2	13	− 1	21	− 1	58	− 5	17	− 2
	7. ENGLAND, N.W.	4	3	3 less	23	− 1	2·4	− 1·6	11	− 2	18	− 3	60	+ 1	17	0
	8. ENGLAND, S.W.	3	1	7 less	19	− 7	2·0	− 3·1	8	− 9	13	−13	79	0	22	0
	9. IRELAND, NORTH	5	4	3 less	30	+ 1	3·6	− 0·8	15	+ 1	24	+ 1	47	− 22	14	− 7
	10. IRELAND, SOUTH	4	2	6 less	25	− 2	3·3	− 2·3	12	− 4	19	− 6	57	− 25	16	− 7
	— CHANNEL ISLANDS	3	1	6 less	22	− 5	1·8	− 2·6	15	− 5	23	− 8	107	+ 12	29	+ 3

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather. Except in the extreme north and north-western parts of the Kingdom the general character of the week was fair, although a good deal of cloud was experienced and a little rain fell. Snow showers occurred on the 11th at many places in the northern and eastern parts of Great Britain.

Temperature continued above the mean, the excess ranging from 2° in Scotland N. to 4° in several other districts and to 5° in England S. The highest of the maxima were recorded on the 5th at most stations, but later in the week in some localities. They ranged from 58° in Scotland E. and the Midland Counties to 51° in Scotland W. The lowest of the minima, which were generally recorded either on the 8th or 11th, varied from 23° in Scotland N. and E. and England E. to 34° in England S.W., and to 39° in the Channel Islands.

Rainfall exceeded the mean in Scotland N., but was again much less than the normal elsewhere.

Bright Sunshine was deficient over the Kingdom generally, but just equalled the mean amount in England N.E. and exceeded in Scotland N. and E. and in Ireland N. The percentage of the possible duration ranged from 34 in Scotland E. to 17 in England S. and the Midland Counties and to 13 in England S.W.

Barometer and Wind. The general type of weather over the United Kingdom was South-Westerly to Westerly. Our western and northern districts were much affected by depressions moving eastwards to Scandinavia, while the more southern regions came under the influence of an area of high pressure to the southward. The wind was consequently between South and West and blew strong at times on the western and northern coasts. On Tuesday, however, the distribution of pressure became more complicated, and the direction of the wind more variable owing to the appearance of a small and very shallow depression over Wales and the centre of England. By the end of the week a new high pressure system was extending over the country from the Atlantic, and the wind had veered towards North very generally.

3353 Wy. & S. Ltd.
370 2 | 05

II.—DATA from which the SUMMARY on page 31 has been calculated.

Districts. Feb. 5-11, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
		°	°	°	°	°	°	°	°		Inches.	Inches.				
O. SCOTLAND, N.	Sumburgh Head	48	24	42·1	35·6	38·9	+ 0·5	0	23	7	0·92	+ 0·15	*	*	*	*
	Stornoway	52	29	44·9	36·7	40·8	+ 1·9	8	21	7	1·43	+ 0·46	11·3	- 2·7	19	- 5
	Wick	55	25	44·4	34·4	39·4	+ 1·7	7	28	7	0·96	+ 0·45	*	*	*	*
	Lairg §	52	23	44·9	33·4	39·2	+ 3·8	8	32	6	1·23	+ 0·47	*	*	*	*
	Glencarron §	49	27	44·1	35·2	39·7	+ 2·7	6	26	7	2·18	+ 0·38	*	*	*	*
	Fort Augustus §	51	29	45·2	35·7	40·5	+ 2·3	9	25	5	1·03	+ 0·07	13·9	+ 4·7	23	+ 8
I. SCOTLAND, E.	Nairn	56	27	46·6	35·9	41·3	+ 3·6	13	25	6	0·25	- 0·14	*	*	*	*
	Aberdeen	58	28	46·9	36·6	41·8	+ 3·8	14	23	5	0·22	- 0·33	22·9	+ 5·5	38	+ 9
	Braemar §	51	23	43·1	33·3	38·2	+ 3·6	3	31	2	0·16	- 0·53	*	*	*	*
	Clathick §	53	29	46·7	35·8	41·3	+ 3·7	13	25	4	0·11	- 0·82	*	*	*	*
	Leith	54	30	49·1	36·7	42·9	+ 3·3	29	15	0	0·00	- 0·37	*	*	*	*
	Marchmont §	53	26	46·6	34·4	40·5	+ 3·5	13	30	0	0·00	- 0·60	15·5	- 0·2	25	0
2. ENGLAND, N.E	Alnwick Castle	53	26	47·3	33·3	40·3	+ 2·3	15	34	0	0·00	- 0·55	*	*	*	*
	Durham	54	26	48·0	34·6	41·3	+ 3·6	17	30	1	0·03	- 0·37	15·1	- 0·3	24	0
	Shields	52	29	47·0	35·0	41·0	+ 2·0	14	28	3	0·05	- 0·32	*	*	*	*
	Scarborough M	54	32	48·0	37·5	42·8	+ 4·0	25	13	2	0·03	- 0·41	21·6	—	34	—
	Spurn Head	50	34	44·4	38·0	41·2	+ 2·5	7	16	1	0·09	- 0·25	*	*	*	*
	Lincoln	51	24	46·3	35·8	41·1	+ 2·9	12	25	1	0·10	- 0·30	*	*	*	*
	Fulbeck	51	24	45·3	34·2	39·8	+ 2·3	9	30	1	0·15	- 0·22	13·7	—	21	—
3. ENGLAND, E.	Hillington M	51	23	46·1	34·1	40·1	+ 1·9	11	31	3	0·12	- 0·32	12·9	- 3·7	20	- 6
	Yarmouth	51	30	44·9	37·7	41·3	+ 3·3	8	17	4	0·29	- 0·13	*	*	*	*
	Geldeston	54	28	47·2	36·2	41·7	+ 3·0	15	24	3	0·13	- 0·22	15·8	- 1·5	24	- 2
	Cambridge	55	28	48·2	36·3	42·3	+ 3·6	26	16	3	0·21	- 0·13	13·4	- 3·4	21	- 5
	Felixstowe	54	30	47·4	36·1	41·8	+ 3·0	15	25	3	0·23	—	14·4	—	22	—
	Clacton-on-Sea	55	32	46·0	37·3	41·7	+ 2·4	11	20	2	0·21	—	13·6	—	21	—
	Rothamsted	54	34	47·8	39·4	43·6	+ 5·6	22	7	3	0·14	- 0·35	11·6	- 4·1	18	- 6
	Shoeburyness	51	32	46·7	38·0	42·4	+ 3·3	20	11	2	0·10	- 0·21	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	49	29	45·7	36·1	40·9	+ 3·4	10	23	1	0·01	- 0·60	23·1	—	36	—
	Bawtry (Hesley Hall)	54	24	47·3	36·1	41·7	+ 3·2	15	24	2	0·07	- 0·32	*	*	*	*
	Nottingham	54	28	47·0	35·6	41·3	+ 2·6	14	26	3	0·12	- 0·30	9·0	—	14	—
	Colly Weston (Stamford)	52	24	45·4	34·7	40·1	+ 1·6	10	28	3	0·11	- 0·33	*	*	*	*
	Cheadle M	53	29	45·8	34·8	40·3	+ 2·9	11	28	4	0·15	- 0·42	*	*	*	*
	Birmingham (Edgbaston)	56	32	47·2	38·4	42·8	+ 4·1	21	10	3	0·14	- 0·31	7·9	—	12	—
	Shrewsbury	55	27	49·8	37·3	43·6	+ 3·6	31	13	2	0·23	—	*	*	*	*
	Hereford M	58	33	48·3	38·9	43·6	+ 4·1	24	9	4	0·13	- 0·38	*	*	*	*
	Cirencester	51	32	47·8	36·5	42·2	+ 3·9	25	15	3	0·16	- 0·45	6·0	- 11·0	9	- 17
	Oxford	53	34	48·7	40·4	44·6	+ 5·4	25	4	3	0·10	- 0·33	6·2	- 9·2	10	- 14
	Westminster	54	35	49·4	42·0	45·7	+ 5·9	26	0	1	0·13	—	8·2	+ 1·1	12	+ 2
5. ENGLAND, S.	London (Brixton)	54	34	50·1	41·3	45·7	+ 5·7	29	2	1	0·14	- 0·28	8·0‡	- 1·0‡	12‡	- 2‡
	Wisley (Surrey)	52	34	49·2	41·6	45·4	+ 5·5	25	1	2	0·06	—	13·2	—	20	—
	Swarraton (Alresford) M	51	33	47·6	40·9	44·3	+ 5·8	21	3	4	0·10	- 0·56	*	*	*	*
	Tunbridge Wells M	52	34	47·9	40·1	44·0	+ 6·0	22	5	3	0·07	—	16·9	—	26	—
	Dungeness	49	31	46·6	41·0	43·8	+ 3·9	17	3	5	0·06	- 0·28	14·9	—	23	—
	Hastings (St. Leonards)	51	35	48·6	42·2	45·4	+ 5·4	24	0	2	0·04	- 0·50	12·5	- 6·8	19	- 10
	Southampton	53	35	50·2	43·5	46·9	+ 6·2	34	0	2	0·04	- 0·59	5·7	- 11·8	9	- 18
	Portland Bill	49	40	48·0	43·6	45·8	+ 3·5	27	0	0	0·00	—	*	*	*	*
	Shaftesbury M	49	33	46·2	40·0	43·1	+ 4·5	16	6	4	0·06	- 0·60	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	51	32	47·3	38·2	42·8	+ 2·9	22	11	6	1·27	- 0·40	*	*	*	*
	Glasgow	49	32	45·5	38·1	41·8	+ 2·9	10	16	4	0·15	- 0·64	13·1	+ 3·1	21	+ 5
	Cally §	51	27	48·0	35·1	41·6	+ 2·9	17	29	6	0·76	- 0·24	*	*	*	*
	Aspatria	48	31	45·8	37·1	41·5	+ 3·0	11	29	4	0·35	—	13·9	—	22	—
	Douglas (Isle of Man)	50	30	47·5	37·7	42·6	+ 1·9	22	12	7	0·47	- 0·38	11·6	- 4·7	18	- 7
7. ENGLAND, N.W.	Newton Rigg	51	25	46·2	34·4	40·3	+ 3·7	12	30	3	0·17	—	17·8	—	28	—
	Stonyhurst	49	30	45·0	37·4	41·2	+ 2·6	8	18	3	0·38	- 0·48	13·9	+ 0·4	22	+ 1
	Blackpool M	48	28	45·4	36·9	41·2	+ 2·1	10	21	5	0·18	- 0·39	11·7	- 2·4	18	- 4
	Manchester (Prestwich)	51	29	46·3	36·9	41·6	+ 2·9	12	21	5	0·40	- 0·19	3·7	—	6	—
	Liverpool Obsy. (Bidston)	52	33	46·7	38·9	42·8	+ 3·1	19	9	3	0·27	- 0·17	14·4	—	23	—
	Chester (Hawarden Bridge)	56	30	48·0	37·9	43·0	+ 2·5	24	11	2	0·23	—	*	*	*	*
	Llandudno M	52	34	48·9	39·0	44·0	+ 2·3	27	8	4	0·48	- 0·06	13·4	- 2·9	21	- 5
	Holyhead	50	39	46·9	41·6	44·3	+ 2·6	18	1	4	0·20	- 0·44	*	*	*	*
	Bettws-y-Coed	52	32	48·3	39·0	43·7	+ 2·0	25	8	5	0·55	—	8·4	—	13	—
8. ENGLAND, S.W.	Llangammarch Wells	50	36	45·5	40·7	43·1	+ 3·8	13	4	6	0·31	—	2·0	—	3	—
	Pembroke	50	39	48·3	44·0	46·2	+ 3·8	29	0	3	0·08	- 0·61	8·4	- 9·3	13	- 14
	Cardiff	51	34	48·9	41·2	45·1	+ 4·1	25	2	2	0·09	—	*	*	*	*
	Clifton	51	35	49·7	42·0	45·9	+ 5·4	27	0	2	0·06	- 0·61	*	*	*	*
	Bath	54	35	50·6	41·9	46·3	+ 5·3	31	0	2	0·05	- 0·55	9·6	—	15	—
	Arlington (N. Devon)	49	36	46·9	39·6	43·3	+ 2·7	19	7	4	0·35	- 0·68	*	*	*	*
	Cullompton M	55	34	50·6	41·1	45·9	+ 5·2	31	3	2	0·06	- 0·68	6·6	- 9·1	10	- 14
	Falmouth	52	41	49·9	44·0	47·0	+ 3·3	35	0	4	0·06	- 0·93	12·3	- 7·0	19	- 11
	Plymouth	53	38	49·9	44·1	47·0	+ 4·4	35	0	2	0·06	- 0·70	7·8	- 9·9	12	- 15
9. IRELAND, N.	Malin Head	52	34	48·3	38·4	43·4	+ 1·7	25	10	5	0·43	- 0·10	*	*	*	*
	Edenfel (Omagh)	51	28	47·1	36·7	41·9	+ 3·2	14	22	4	0·25	- 0·41	*	*	*	*
	Blacksod Point	51	35	48·4	41·1	44·8	+ 1·9	23	3	6	0·61	- 0·33	*	*	*	*
	Markree Castle	53	29	49·7	38·2	44·0	+ 3·7	30	11	6	0·52	- 0·22	16·0	+ 1·2	25	+ 2
	Armagh	52	32	48·1	37·8	43·0	+ 3·2	25	12	5	0·21	- 0·34	14·8	- 0·2	23	0
	Donaghadee	53	32	48·1	37·9	43·0	+ 2·1	24	11	4	0·28	- 0·29	*	*	*	*
10. IRELAND, S.	Dublin	54	35	50·7	41·0	45·9	+ 3·6	32	3	1	0·15	- 0·34	15·9	- 1·1	25	- 2
	Birr Castle	53	34	49·9	39·4	44·7	+ 4·1	30	7	4	0·26	- 0·30	7·7	- 8·2	12	- 13
	Kilkenny	52	33	48·4	41·4	44·9	+ 3·3	23	2	2	0·10	- 0·55	*	*	*	*
	Waterford	52	38	50·9	42·6	46·8	+ 5·0	34	0	2	0·11	- 0·75	*	*	*	*
	Roche's Point	52	37	49·9	44·3	47·1	+ 3·5	36	0	5	0·13	- 0·91	*	*	*	*
	Valencia	54	40	51·1	44·0	47·6	+ 3·0	39	0	5	0·31	- 0·95	13·7	- 3·3	21	- 5
	Killarney	55	37	52·5	42·7	47·6	+ 4·3	39	0	7	0·40	- 0·88	*	*	*	*
	Foynes	53	35	49·8	42·0	45·9	+ 3·3	27	0	4	0·34	- 0·42	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	53	42	51·7	44·7	48·2	+ 2·6	43	0	1	0·01	- 0·66	18·9	- 1·4	28	- 2
	Jersey (St. Aubyn's)	52	39	49·0	42·6	45·8	+ 2·7	27	0	4	0·10	- 0·53	11·0	- 10·8	16	- 16

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked § is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

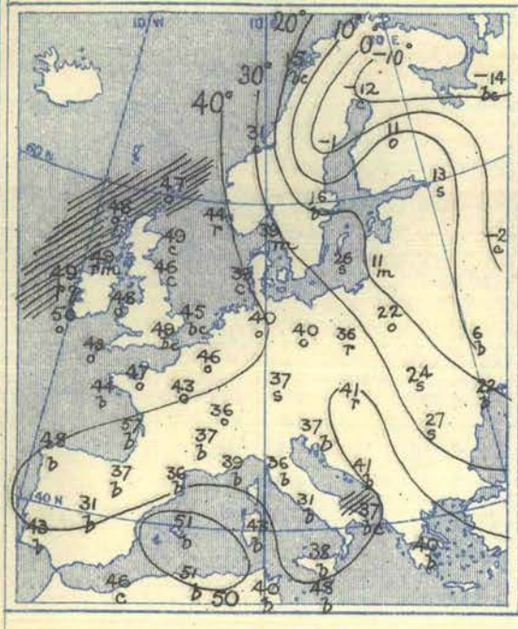
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 33 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

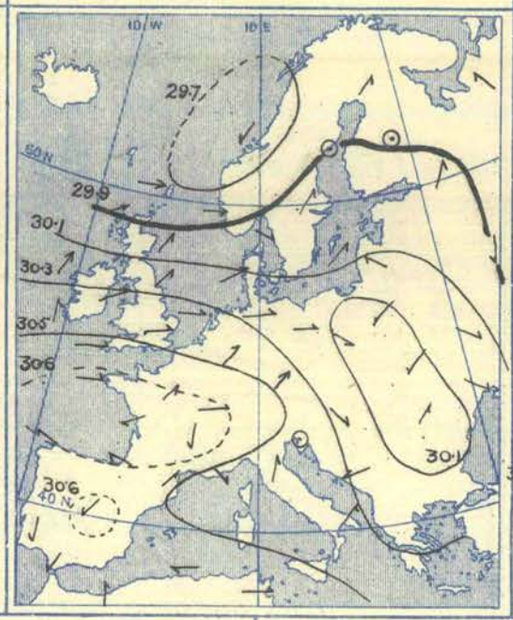
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 5th February, 1905.

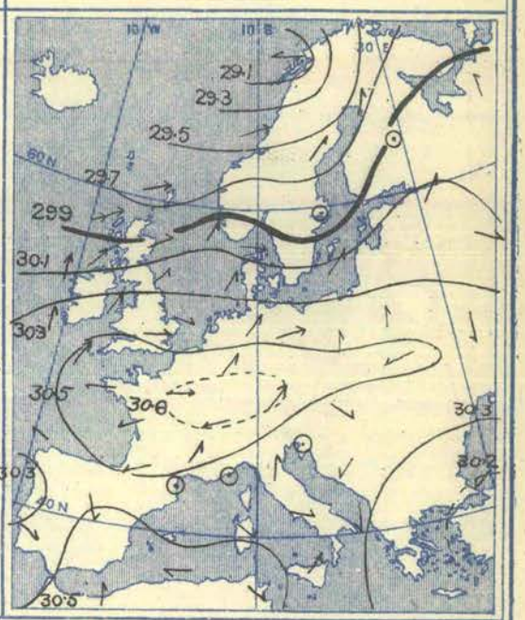
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in many parts of England, France, and southern Europe; cloudy or overcast generally, with rain in the north-west of Ireland, and rain or snow in several parts of central and northern Europe. Rather heavy rain experienced later at Christiansund, slight amounts over the northern parts of our Islands, and a little rain or snow in Sweden.

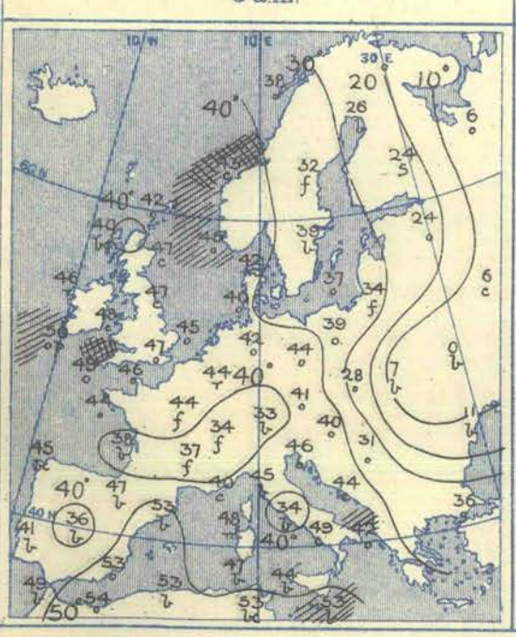
Temperature risen in most places. Morning readings highest, 52° at La Calle, 51° at Algiers, 50° at Valencia, Ireland, and 49° in London and at Aberdeen. Lowest, (1) −14° at Archangel, −12° at Haparanda, −2° at Moscow, (2) 30° at Turin, 31° at Rome, (3) 31° at Madrid. Lowest in our Islands, 41° at Nottingham. Rising subsequently to 54° in London, 58° at Aberdeen, 59° at Biarritz, and to a little above 60° in Spain, Algeria, and Sicily. Frost continuing all day in the east and north-east of Europe.

Wind in morning circulating cyclonically over the eastern and northern regions, but force nowhere greater than a fresh or strong breeze. An anticyclonic movement prevailing around France and the Bay of Biscay. Increasing in force over the north-western countries later, to a South-Westerly gale on our own extreme north-west coasts and also at Christiansund.

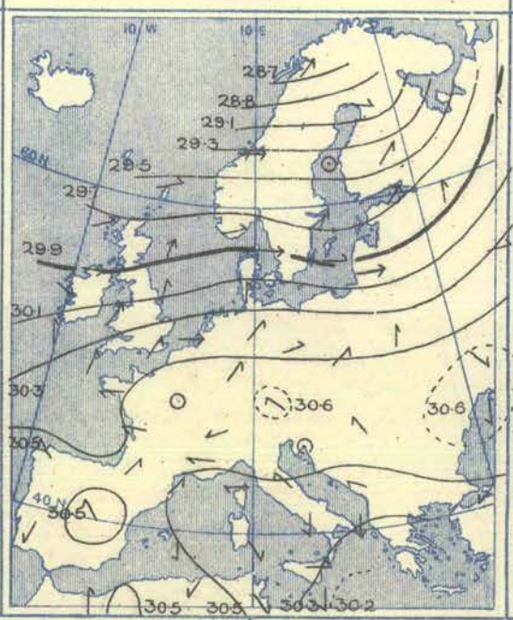
Barometer at 8 a.m. ranging from above 30·6 ins. in an anticyclone over the Bay of Biscay and most of France, and also over central Spain, to below 30·1 ins. in a depression situated over the eastern part of central Europe, and to less than 29·7 ins. in another system over the west of Norway. Anticyclone spreading quickly eastwards later and the eastern depression disappearing. Norwegian disturbance moving north-eastward and becoming much deeper.

Monday, 6th February, 1905.

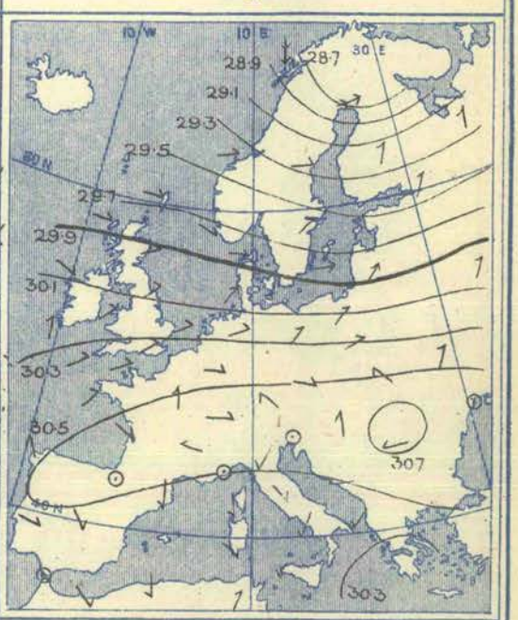
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most southern regions, but cloudy or overcast generally, with rain at several of our own north-western stations, and also at Dungeness and Brussels, and fog in central France. More than half an inch of rain and snow experienced later at Christiansund and slighter quantities of rain in most parts of the United Kingdom.

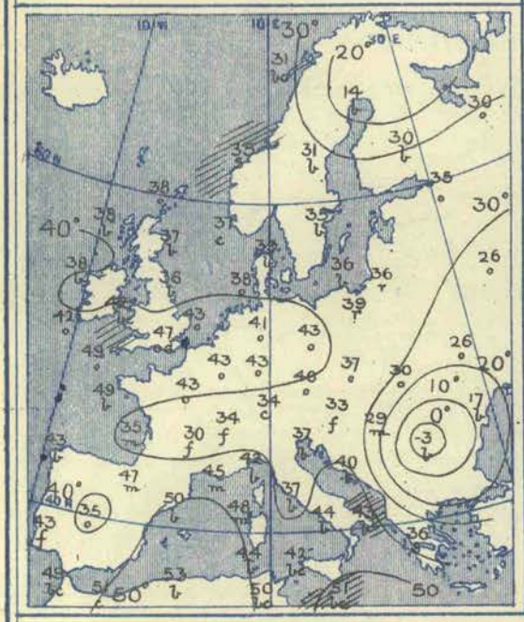
Temperature fallen in Scotland; risen in almost all other regions—rapidly in Sweden. Morning readings ranging from 54° at Nemours, 53° at Malta, and 50° in the south of Ireland to 32° at Pesaro, 26° at Haparanda, 6° at Archangel and Moscow, and to −8° at Kharkov. Rising later to 50° or above in most parts of our Islands, to nearly 60° at several stations in the south of Europe, and to a little above it in Algeria and at San Fernando. Maximum at St. Petersburg as high as 37°.

Wind at 8 a.m. mainly Westerly over the northern half of our area; moderate or fresh generally, but strong to a gale over the Skager Rack and on the coast of Norway. Light variable airs prevailing over the central regions, and light or moderate winds from between North and East over the Mediterranean. Little change later.

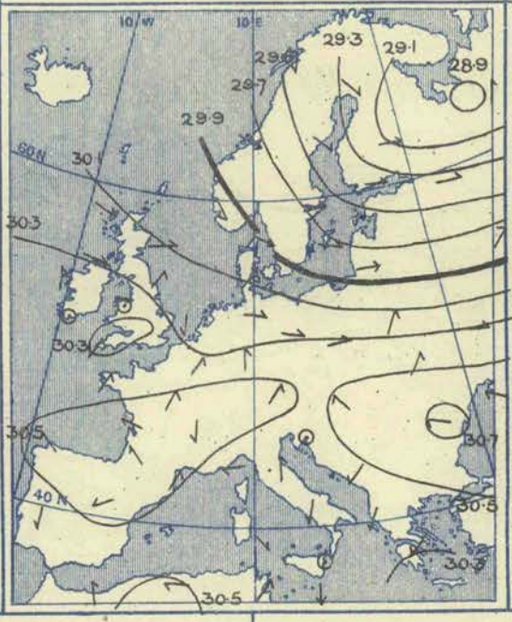
Barometer in morning highest, 30·5 ins. to 30·6 ins. and upwards in a large area extending from the west of France to southern Russia. Lowest, 28·7 ins. and less in a deep depression centred over Finmark. Latter travelling eastwards during day, and the fall of the barometer at the same time spreading considerably southwards. Gradients continuing steep all over the northern half of the Continent.

Tuesday, 7th February, 1905.

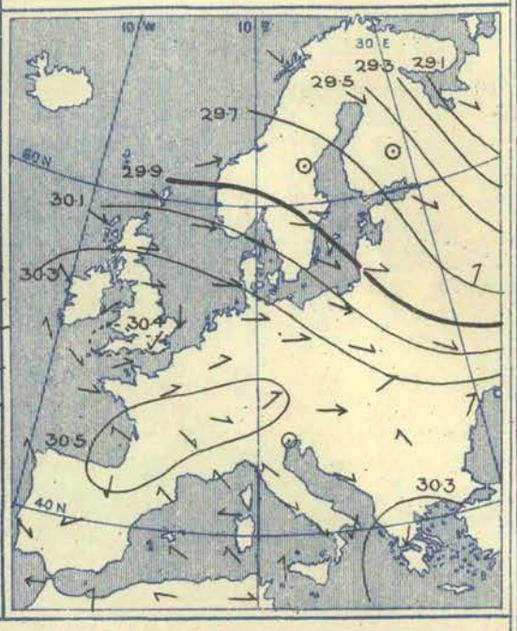
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the north of our Islands and in several parts of Scandinavia, as well as in most southern regions. Rain falling over central England, Holland, and North Germany, and snow at Christiansund and at Athens. Slight quantities of rain experienced later in various parts of the United Kingdom, and a little rain or snow at a few Continental stations.

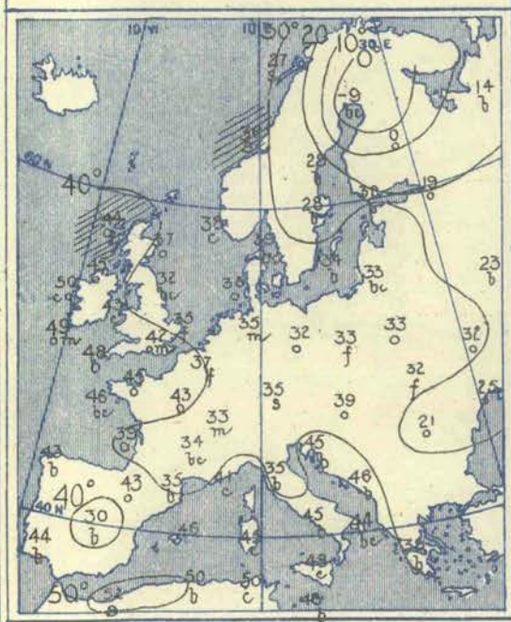
Temperature fallen generally, but risen quickly over Poland and Russia. Morning values highest, 53° at Algiers, 52° at Barcelona, 51° at Malta, and 49° at Scilly. Lowest, (1) −3° at Hermanstad, +9° at Nicolaieff, 12° at Kharkov, (2) 14° at Haparanda, (3) 30° at Lyons and Limoges, (4) 38° at Athens. Maxima during day, 54° at Bath and Biarritz, 61° at Perpignan, 63° at Cape Béarn and Nemours, and 68° at Oran. Thermometer not rising above 37° at Lyons.

Wind at 8 a.m. strong to a moderate gale from North-East in Greece, but light and anticyclonic over the southern half of our area generally. A local cyclonic movement of very light airs shown over England and an extensive cyclonic circulation of moderate to strong winds over the northern regions of the Continent. No material change taking place during day.

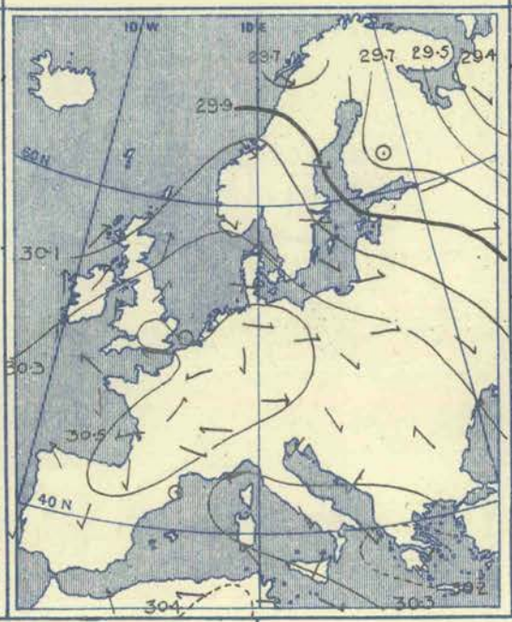
Barometer at 8 a.m. highest, 30·5 ins. to above 30·7 ins. in a large area of high pressure extending from Spain and the Bay of Biscay to the Black Sea and having its maximum over Transylvania. Lowest, about 28·9 ins. in a depression over the extreme north of Russia. Relatively low in disturbances over England and Greece. Eastern half of anticyclone giving way during day and barometer becoming highest over France. Northern depression travelling away eastwards.

Wednesday, 8th February, 1905.

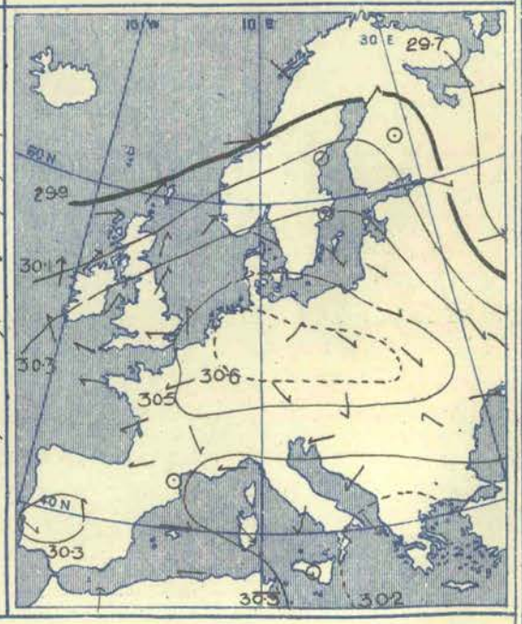
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over the greater part of Europe, but fog prevailing in the centre and east of England and the nearer parts of the Continent and in some parts of Germany and Hungary, and rain or snow falling at Wick, in the west of Norway, and at Munich and Vienna. Nearly an inch of rain falling later at Christiansund and 0·20 in. at Palermo, but conditions continuing dry generally.

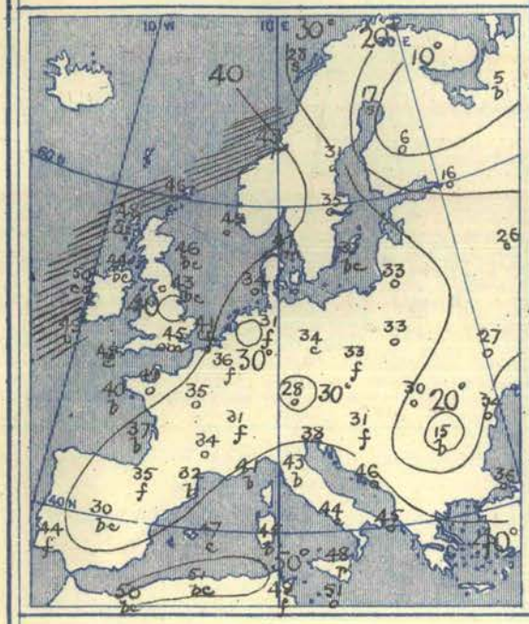
Temperature changed irregularly. Morning readings highest, 52° in western Algeria, 50° at Blacksod Point. Lowest, (1) −9° at Haparanda, zero at Kuopio, 14° at Archangel, (2) 21° at Hermanstadt, 31° at Pesaro, 35° and 34° respectively at Florence and Rome, (3) 30° at Madrid, (4) 31° at Nottingham. Rising later to 53° and 54° at Parsonstown and Valencia, to a few degrees higher in Italy, and to above 60° in Spain, Sicily, and Algeria. Frost continuing in the north-east of Europe.

Wind at 8 a.m. cyclonic both in the Mediterranean and most northern regions of Europe; anticyclonic elsewhere. Very little force generally, but a fresh or strong breeze blowing in a few localities. Hardly any change occurring later.

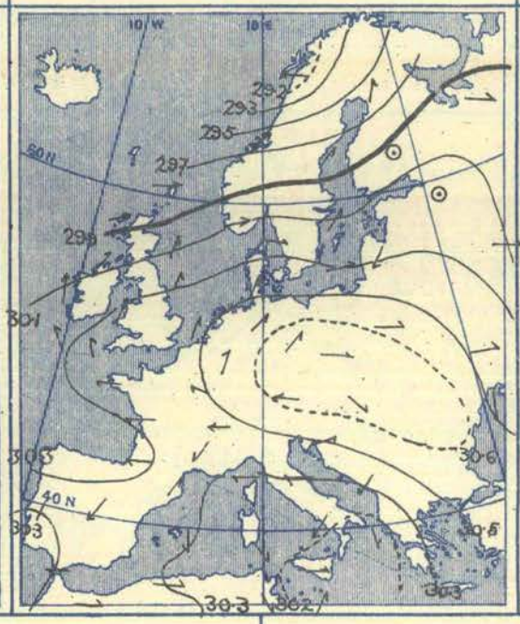
Barometer at 8 a.m. ranging from 30·5 ins. and upwards in the central part of an anticyclone extending from the Cantabrian Mountains to the Netherlands and west of Germany, to below 30·2 ins. over Greece, less than 29·7 ins. in Finmark, and to 29·4 ins. and below over the north of Russia. Anticyclonic core moving eastwards and increasing in intensity during day. Pressure decreasing slowly over the most western parts of our area; rising decidedly in the north.

Thursday, 9th February, 1905.

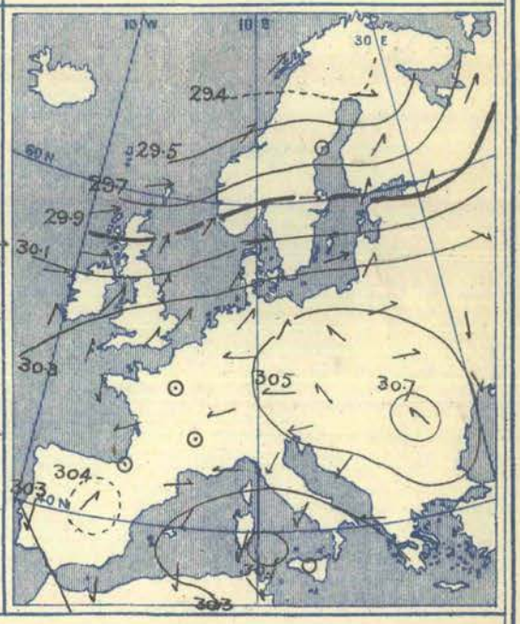
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still foggy at a few English stations, over the Netherlands, and North Germany. Fair in most regions, but rain or snow general in the north of Scandinavia and drizzling rain at Stornoway. Slight rain later at many of our northern and north-western stations and more than half an inch at Stornoway. As much as 2·52 ins. (rain and snow) falling at Christiansund.

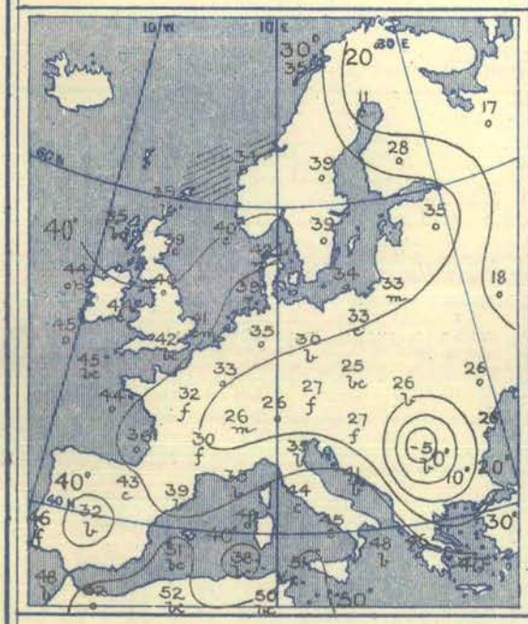
Temperature risen in most regions. Morning readings ranging from 53° at Oran, 51° at Malta, and 50° at Blacksod Point, to about 32° over the central countries, 30° at Madrid, 15° at Hermanstadt, 5° at Archangel, and to 2° at Uleaborg. Thermometer rising to 50° or above in many parts of our Islands during day, to between 55° and 60° at several stations in the south of Europe, and to 63° at San Fernando.

Wind at 8 a.m. showing a vast anticyclonic movement around central Europe and partial cyclonic circulations both in the north and south of our area. The Easterly current blowing strongly at Bodö, and that from South-West a gale at Christiansund. Latter subsiding by evening, but a moderate South-Westerly gale displacing the strong Easterly breeze at Bodö. North-Easterly wind increasing over Italy and its vicinity.

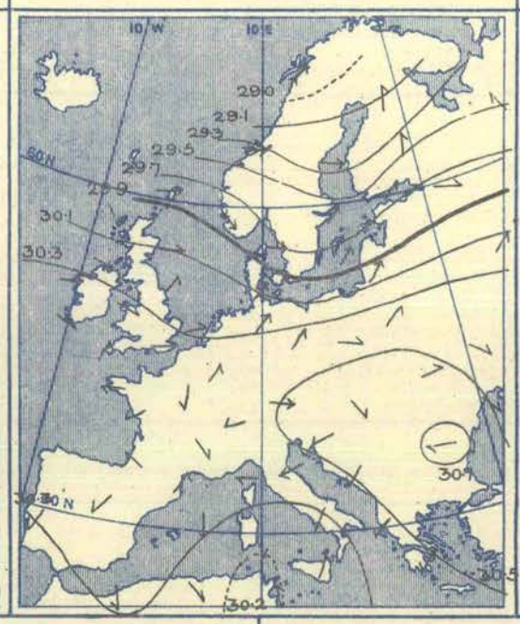
Barometer at 8 a.m. highest, 30·5 ins. to above 30·6 ins. in the central portion of a very large anticyclone embracing all the central countries of the Continent. Lowest, 29·2 ins. and less in a depression off the north-west of Norway. Relatively low over the central parts of the Mediterranean. Northern disturbance travelling eastwards during day, and a well-defined depression forming over the Mediterranean. Anticyclone increasing somewhat in intensity.

Friday, 10th February, 1905.

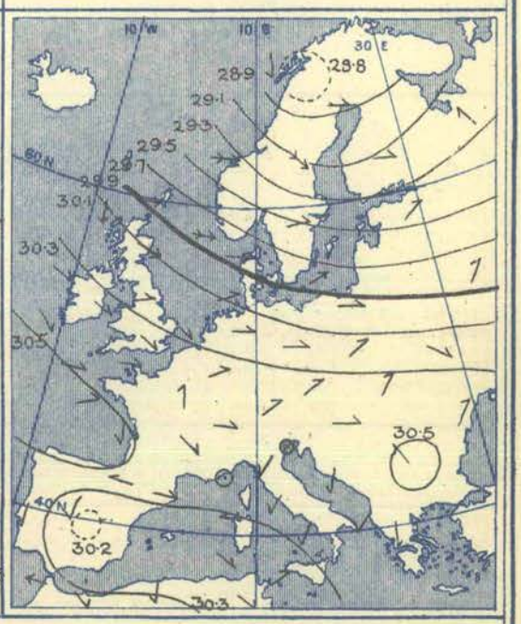
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most of the southern regions, but cloudy or overcast generally; showers of rain prevailing in the north of Ireland, snow falling at some Scandinavian stations, and rain at Fanö and Helsingfors. Some rain falling later in various parts of our Islands and rain or snow in a few Continental localities.

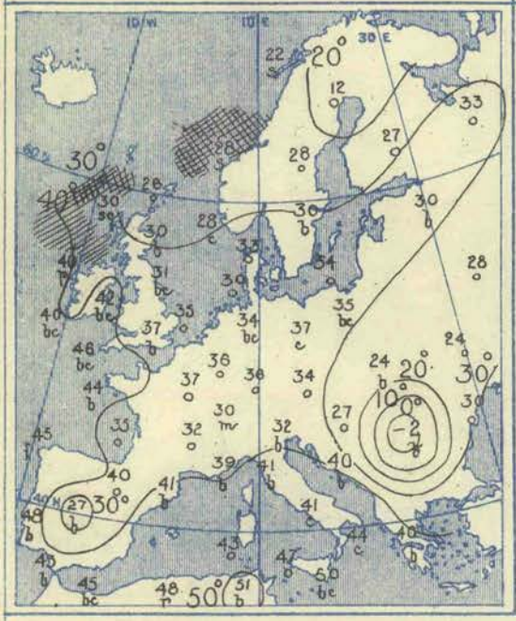
Temperature fallen as a whole, but risen in Finland and the north of Scandinavia. Morning readings highest, 52° or 51° at some stations in the extreme south of our area. Lowest, (1) −5° at Hermanstadt, (2) 11° at Uleaborg, (3) 26° at Belfort, 27° at Limoges, (4) 33° at Wick. Maxima during day exceeding 50° at one or two of our own stations and in many parts of southern Europe and in Algeria; highest readings, 59° at Cagliari and 63° at Nemours.

Wind at 8 a.m. Westerly to South-Westerly over the northern half of our area; moderate or light generally, but strong to a gale over Denmark and Scandinavia. Light or moderate North-Easterly or Northerly breezes prevailing in most southern regions. Veering to North in the Hebrides during day and to North-West on our northern and western coasts generally.

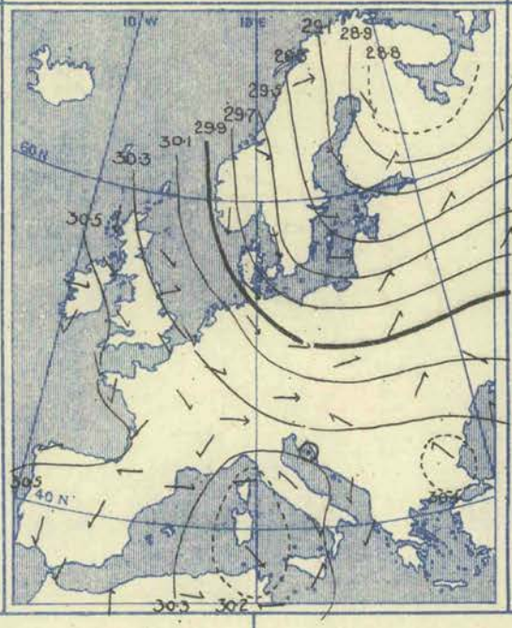
Barometer at 8 a.m. ranging from 30·4 ins. to above 30·7 ins. in a very large high pressure system having its system near Hermanstadt, to below 29·0 ins. in a depression off the north of Norway. Centre of the latter system shown to the eastward of Bodö at 6 p.m. and barometer in its vicinity down to below 28·8 ins. Pressure increasing slowly in the western part of our Islands and France, decreasing in almost all other regions—most in Transylvania and the far north of Europe.

Saturday, 11th February, 1905.

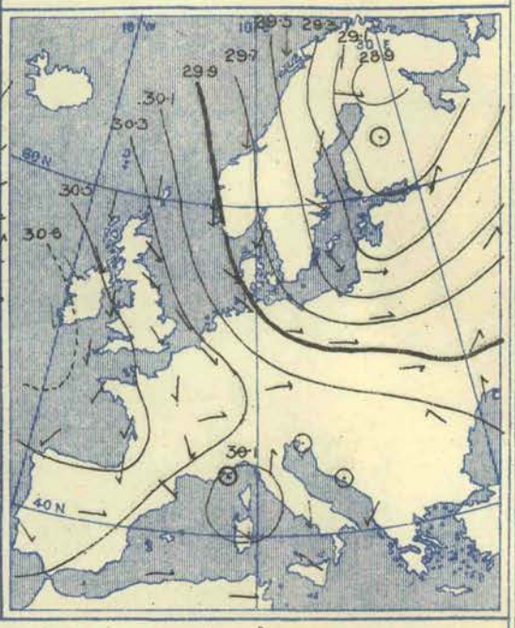
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine in most parts of our Islands, but snow squalls reported at Stornoway and showers of rain in the north of Ireland. Fair or fine on many parts of the Continent, but a good deal of cloud in some localities, and snow in the west of Norway and at Karlstad, as well as in Germany. Rainy at Algiers and Tunis. Slight rain falling in various parts of the Continent during day, and snow showers at some of our own stations.

Temperature fallen except over central Europe. Morning readings highest, 51° at La Calle, 50° at Malta, 48° at Lisbon, 46° at Scilly. Lowest, (1) −2° at Hermanstadt, (2) 12° at Haparanda, 22° at Bodö, (3) 25° at Wick, 30° at Aberdeen, 31° at North Shields, (4) 27° at Madrid. Maximum during day, 50° at Scilly, but low in the north and east of our Islands; only 29° at Wick. Thermometer rising to between 55° and 60° in the extreme south of our area.

Wind at 8 a.m. North-Westerly over our Islands, light or moderate generally, but strong in the extreme north-west. Westerly to North-Westerly, strong to a gale, over Scandinavia and Denmark, strong from South-West in Finland, and moderate from South at Archangel. Light cyclonic winds prevailing over the Mediterranean. Little change later.

Barometer at 8 a.m. ranging from 30·5 ins. and upwards over most of Ireland and the adjacent part of the ocean, and 30·4 ins. and above in Transylvania to less than 30·2 ins. over Sardinia and Corsica, and to below 28·8 ins. in Lapland. Anticyclone continuing to extend over our Islands during day, but the high pressure area over Transylvania disappearing. Mediterranean depression increasing somewhat in depth.

IV.—GENERAL NOTES, etc.

The distribution of barometric pressure was very simple, the readings being nearly always highest in a large anticyclonic band having its maximum intensity in some part of central Europe, lowest in a series of deep depressions travelling eastwards in the far north, and relatively low in other disturbances—often ill-defined—over the Mediterranean region. The latter had but a slight influence on the strength of the winds and scarcely any on the weather which was almost continuously fine; but the large cyclonic systems in the north were attended by gales or very strong winds over Scandinavia and the surrounding regions and also by a considerable quantity of rain or snow. In the north-west of Norway precipitation was unusually heavy. Temperature was rather high over the United Kingdom and less low than of late in the south of Europe. In the extreme north and north-east there were great fluctuations, but the thermometer was usually much below 32°.

At the end of the week the barometer was falling over central Europe, but a fresh anticyclone was extending from the Atlantic over our Islands and their vicinity.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 32.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	11·0	− 1·5	19	− 3
STRATHPEFFER SPA	17·6	+ 3·5	29	+ 6
CRATHES	23·9	—	39	—
BALRUDDERY	21·6	—	35	—
EDINBURGH	18·3	+ 5·9	30	+ 10
COCKLE PARK	21·6	—	34	—
NEWCASTLE-on-TYNE	12·7	—	20	—
SALTBURN-by-the-SEA	? 23·2	—	? 37	—
YORK	13·1	+ 0·1	21	0
SKEGNESS	18·1	—	28	—
CROMER	18·9	—	29	—
LOWESTOFT	18·1	—	28	—
DUNMOW	12·0	—	19	—
SHEFFIELD	16·7	—	26	—
WORKSOP	8·8	− 4·5	14	− 7
THURCASTON	—	—	—	—
MARGATE	14·5	− 1·7	22	− 3
BROADSTAIRS	—	—	—	—
RAMSGATE	14·7	—	22	—
EASTBOURNE	12·8	− 4·6	19	− 7
BRIGHTON	14·2	− 3·5	22	− 5
WORTHING	10·5	—	16	—
BOGNOR	11·1	—	17	—
VENTNOR HOSPITAL	10·1	− 8·4	15	− 13
BOURNEMOUTH	6·1	—	9	—
MARLBOROUGH	6·7	− 7·2	10	− 11
SOUTHPORT	13·4	—	21	—
RHYL	12·6	—	20	—
ABERDOVEY	6·7	—	10	—
TENBY	2·8	− 16·0	4	− 25
TORQUAY	10·5	− 6·8	16	− 10
NEWQUAY	12·1	− 6·8	18	− 10
GUERNSEY	16·2	− 4·1	24	− 6

ERRATA.—The values below must be substituted for those which have already appeared.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 2, page 8	Armagh	—	—	—	—	—	—	—	—	6	0·69	+ 0·06	—	—	—	—
No. 3, page 14	Markree Castle	—	—	—	—	—	—	—	—	—	0·88	+ 0·28	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. Vol. XXII. (New Series.) } No. 7. SEVENTH WEEK, ENDING SATURDAY, FEBRUARY 18TH, 1905. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 38.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	52	20	46·1	35·6	40·9	3 above	11	+ 4	26	−11	53	+ 7	186	− 69
	1. SCOTLAND, EAST	57	19	48·6	34·8	41·8	4 above	18	+ 8	31	−10	79	+23	213	− 80
	2. ENGLAND, N.E.	57	24	48·5	36·3	42·4	4 above	27	+16	16	−17	85	+25	189	− 62
	3. ENGLAND, EAST	54	28	47·5	36·6	42·1	3 above	23	+11	15	−22	78	+15	207	− 72
	4. MIDLAND COUNTIES	58	24	49·6	36·7	43·2	4 above	31	+17	15	−21	100	+23	208	− 76
	5. ENGLAND, SOUTH	56	27	48·8	38·5	43·7	4 above	27	+11	10	−18	99	+ 5	162	− 55
Principal Grazing Districts.	6. SCOTLAND, WEST	53	27	48·4	39·3	43·9	4 above	25	+15	8	−20	101	+32	116	− 92
	7. ENGLAND, N.W.	57	23	48·7	39·7	44·2	4 above	25	+13	6	−22	105	+33	125	− 80
	8. ENGLAND, S.W.	57	28	50·4	39·9	45·2	4 above	31	+12	6	−16	121	+ 4	111	− 47
	9. IRELAND, NORTH	52	32	49·9	39·4	44·7	4 above	30	+14	7	−17	134	+35	90	− 88
	10. IRELAND SOUTH	57	33	51·9	41·3	46·6	4 above	35	+13	2	−16	192	+45	53	− 84
	— CHANNEL ISLANDS	54	37	51·5	43·4	47·5	3 above	39	+14	0	− 9	210	+41	25	− 45

Rainfall.

	DISTRICTS. (See p. 38.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	21	11 more	42	+ 9	11·3	+ 4·0
	1. SCOTLAND, EAST	5	5	1 less	25	− 2	2·1	− 2·2
	2. ENGLAND, N.E.	3	2	2 less	14	−11	0·8	− 2·1
	3. ENGLAND, EAST	5	3	1 less	20	− 7	1·3	− 1·5
	4. MIDLAND COUNTIES	3	1	4 less	20	− 5	1·2	− 2·3
	5. ENGLAND, SOUTH	4	1	4 less	18	− 8	1·5	− 2·5
Principal Grazing Districts.	6. SCOTLAND, WEST	6	10	0 (average)	34	+ 4	5·8	− 2·2
	7. ENGLAND, N.W.	5	4	2 less	28	0	2·8	− 1·8
	8. ENGLAND, S.W.	4	2	5 less	23	− 7	2·2	− 3·6
	9. IRELAND, NORTH	6	6	1 less	36	+ 3	4·2	− 0·8
	10. IRELAND, SOUTH	5	2	6 less	30	− 2	3·5	− 2·9
	— CHANNEL ISLANDS	5	4	2 less	27	− 5	2·2	− 2·8

Bright Sunshine.

	DISTRICTS. (See p. 38.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	− 7	11	−11	48	− 15	13	− 4
	1. SCOTLAND, EAST	22	+ 2	34	+ 4	102	+ 4	26	+ 1
	2. ENGLAND, N.E.	20	+ 4	29	+ 6	108	+ 2	27	0
	3. ENGLAND, EAST	16	− 3	24	− 4	129	+ 33	31	+ 8
	4. MIDLAND COUNTIES	15	− 2	22	− 3	99	+ 16	24	+ 4
	5. ENGLAND, SOUTH	16	− 2	23	− 3	119	+ 24	28	+ 6
Principal Grazing Districts.	6. SCOTLAND, WEST	13	0	19	0	71	− 6	18	− 1
	7. ENGLAND, N.W.	16	+ 1	24	+ 2	76	+ 2	18	+ 1
	8. ENGLAND, S.W.	21	+ 2	30	+ 2	100	+ 2	23	0
	9. IRELAND, NORTH	13	− 3	20	− 5	60	− 26	15	− 6
	10. IRELAND, SOUTH	13	− 5	19	− 8	70	− 30	17	− 7
	— CHANNEL ISLANDS	16	− 8	22	−11	123	+ 5	28	+ 1

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was at first cold with slight showers of snow in the north and east, but soon became milder, rain being seldom heavy, but more frequent than for some time past. In the extreme north of Scotland the week was again wet.

Temperature was from 3° to 4° above the mean in all districts. The highest of the maxima were registered on somewhat irregular dates, but principally towards the end of the week. They ranged from 58° in the Midland Counties and 57° in several other districts to 52° in Scotland N. and Ireland N. The lowest of the minima, recorded at nearly all stations on Sunday, varied from 19° and 20° respectively in Scotland E. and N. to 32° or 33° in Ireland, and to 37° in the Channel Islands.

Rainfall was again less than the mean over the Kingdom generally, the fall being especially slight in the centre and south of England. In Scotland W., however, the amount just equalled the normal, while in Scotland N. there was more than twice as much.

Bright Sunshine differed little from the mean as a whole, but was largely deficient in Scotland N. and also in the Channel Islands. The percentage of the possible duration ranged from 34 in Scotland E., 30 in England S.W., and 29 in England N.E., to 19 in Scotland W. and Ireland S., and to 11 in Scotland N.

Barometer and Wind. At the commencement of the period an anticyclone lay over Ireland and the Bay of Biscay, and the barometer was lowest to the eastward of our Islands, but as the week progressed the high pressure became situated to the southward, while large depressions over the northern regions of the Atlantic travelled on to Scandinavia. The wind, after blowing from the Northward, consequently backed to the Westward and South-Westward. It had little strength until late in the week, when the path of the northern disturbances being less distant, the gradients increased considerably, and the Westerly wind freshened to a brisk or strong breeze. By Saturday morning a moderate to fresh gale was blowing in the north of Ireland, and during the day the wind rose to a fresh or strong gale in the north and west generally, and to a strong breeze or moderate gale on most other parts of our coasts.

8371 Wy. & S. Ltd.
370 2 | 05

II.—DATA from which the SUMMARY on page 37 has been calculated.

Districts. Feb. 12-18, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	—	—	—	—	—	—	—	—	—	—	—	*	*	*	*
	Stornoway	50	25	48·1	36·6	42·4	+ 3·4	25	15	7	1·85	+ 0·90	5·5	− 10·4	9	− 16
	Wick	51	24	46·6	34·0	40·3	+ 2·2	13	31	6	1·04	+ 0·52	*	*	*	*
	Lairg Ş	52	20	44·4	34·4	39·4	+ 3·8	7	28	7	1·71	+ 0·96	*	*	*	*
	Glencarron Ş	49	24	44·8	35·7	40·3	+ 3·3	8	24	7	4·02	+ 2·31	*	*	*	*
	Fort Augustus Ş	50	25	46·6	37·1	41·9	+ 3·5	13	21	6	1·97	+ 1·02	2·1	− 8·5	3	− 13
1. SCOTLAND, E.	Nairn	53	23	48·7	33·9	41·3	+ 3·2	19	33	6	0·61	+ 0·21	*	*	*	*
	Aberdeen	56	25	49·3	34·6	42·0	+ 3·6	20	21	2	0·22	− 0·32	29·4	+ 10·4	45	+ 16
	Braemar Ş	50	22	43·8	33·5	38·7	+ 4·0	5	31	5	0·64	− 0·05	*	*	*	*
	Clathick Ş	57	23	49·7	35·8	42·8	+ 4·9	32	17	5	0·64	− 0·22	*	*	*	*
	Leith	56	27	51·6	37·1	44·4	+ 4·6	37	14	6	0·40	+ 0·03	*	*	*	*
	Marchmont Ş	52	19	48·6	33·9	41·3	+ 3·9	18	33	5	0·48	− 0·11	17·0	− 0·5	26	− 1
2. ENGLAND, N.E	Alnwick Castle	53	29	49·6	37·4	43·5	+ 5·1	30	13	3	0·52	− 0·02	*	*	*	*
	Durham	53	24	48·6	36·4	42·5	+ 4·4	27	16	4	0·25	− 0·17	24·9	+ 8·0	37	+ 12
	Shields	57	25	49·9	34·6	42·3	+ 3·0	33	21	3	0·29	− 0·08	*	*	*	*
	Scarborough M	54	29	49·0	37·1	43·1	+ 3·8	28	14	4	0·31	− 0·13	14·6	—	22	—
	Spurn Head	53	30	45·7	35·9	40·8	+ 1·6	10	24	1	0·08	− 0·26	*	*	*	*
	Lincoln	55	26	48·7	37·1	42·9	+ 3·9	27	14	3	0·07	− 0·32	*	*	*	*
	Fulbeck	55	24	48·0	35·7	41·9	+ 3·8	17	27	4	0·17	− 0·20	21·0	—	31	—
3. ENGLAND, E.	Hillington M	53	28	46·9	36·2	41·6	+ 2·9	14	24	3	0·27	− 0·17	14·6	− 3·9	22	− 6
	Yarmouth	50	29	45·6	35·4	40·5	+ 2·1	10	26	6	0·48	+ 0·05	*	*	*	*
	Geldeston	52	29	47·3	35·3	41·3	+ 2·1	15	27	7	0·42	+ 0·05	14·9	− 4·1	22	− 6
	Cambridge	54	29	48·4	37·1	42·8	+ 3·7	26	14	4	0·22	− 0·12	17·3	− 1·4	25	− 2
	Felixstowe	50	30	47·1	37·0	42·1	+ 2·9	22	14	6	0·25	—	20·6	—	30	—
	Clacton-on-Sea	50	30	47·0	36·3	41·7	+ 2·1	14	24	4	0·19	—	18·0	—	26	—
	Rothamsted	52	30	49·0	37·4	43·2	+ 4·6	28	13	3	0·11	− 0·37	16·3	− 1·2	24	− 2
	Shoeburyness	53	32	48·7	38·3	43·5	+ 4·0	26	10	3	0·11	− 0·19	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	54	24	48·8	35·7	42·3	+ 4·5	29	18	4	0·26	− 0·36	17·4	—	26	—
	Bawtry (Hesley Hall)	58	26	50·7	35·6	43·2	+ 4·2	35	18	1	0·16	− 0·22	*	*	*	*
	Nottingham	56	28	50·4	36·6	43·5	+ 4·2	33	15	4	0·14	− 0·27	16·6	—	24	—
	Colly Weston (Stamford)	54	27	49·0	35·6	42·3	+ 3·5	29	18	4	0·11	− 0·33	*	*	*	*
	Cheadle M	54	28	47·6	36·1	41·9	+ 4·1	16	25	5	0·23	− 0·34	*	*	*	*
	Birmingham (Edgbaston)	55	31	48·5	38·3	43·4	+ 4·3	25	10	2	0·10	− 0·34	8·5	—	13	—
	Shrewsbury	57	25	51·3	37·7	44·5	+ 4·3	36	12	3	0·08	—	*	*	*	*
	Hereford M	58	30	51·3	37·8	44·6	+ 4·8	36	12	1	0·01	− 0·50	*	*	*	*
	Cirencester	53	29	49·6	35·8	42·7	+ 4·2	31	17	1	0·02	− 0·56	20·1	+ 1·4	29	+ 2
	Oxford	53	32	49·1	37·6	43·4	+ 3·6	28	12	2	0·03	− 0·41	9·4	− 7·9	14	− 12
	Westminster	53	33	49·4	39·1	44·3	+ 4·0	28	8	3	0·11	—	12·0	+ 3·8	17	+ 6
5. ENGLAND, S.	London (Brixton)	53	33	49·1	38·3	43·7	+ 3·3	27	10	4	0·12	− 0·29	12·5‡	+ 2·1‡	18‡	+ 3‡
	Wisley (Surrey)	53	31	49·4	38·8	44·1	+ 3·7	28	9	2	0·02	—	17·1	—	25	—
	Swarraton (Alresford) M	52	30	48·0	36·7	42·4	+ 3·6	25	15	2	0·08	− 0·56	*	*	*	*
	Tunbridge Wells M	53	30	48·3	37·2	42·8	+ 4·5	26	13	3	0·09	—	20·2	—	29	—
	Dungeness	53	27	48·0	36·4	42·2	+ 2·0	25	16	5	0·22	− 0·12	19·3	—	28	—
	Hastings (St. Leonards)	52	31	47·5	38·5	43·0	+ 2·7	22	10	5	0·19	− 0·34	17·4	− 3·9	25	− 6
	Southampton	56	32	51·8	40·5	46·2	+ 4·9	36	4	4	0·08	− 0·52	16·7	− 2·6	24	− 4
	Portland Bill	54	35	49·3	42·1	45·7	+ 3·0	26	0	3	0·06	—	*	*	*	*
	Shaftesbury M	53	35	47·5	38·3	42·9	+ 3·9	22	10	4	0·16	− 0·48	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	52	30	48·6	40·2	44·4	+ 4·3	24	5	7	2·73	+ 1·10	*	*	*	*
	Glasgow	50	27	47·2	39·2	43·2	+ 4·2	20	8	6	0·78	+ 0·02	11·9	+ 0·6	18	+ 1
	Cally Ş	53	27	50·6	37·5	44·1	+ 5·1	34	13	6	0·91	− 0·06	*	*	*	*
	Aspatria	51	27	46·6	38·5	42·6	+ 3·6	19	10	6	0·41	—	10·3	—	15	—
	Douglas (Isle of Man)	52	34	48·8	41·3	45·1	+ 4·3	25	2	6	0·35	− 0·47	16·5	− 1·2	25	− 2
7. ENGLAND, N.W.	Newton Rigg	51	23	47·2	36·5	41·9	+ 4·8	15	23	7	0·55	—	13·8	—	21	—
	Stonyhurst	51	28	46·9	39·1	43·0	+ 4·2	19	8	7	0·75	− 0·09	15·0	− 0·4	22	− 1
	Blackpool M	51	29	46·5	40·2	43·4	+ 4·0	17	5	4	0·15	− 0·41	18·9	+ 3·0	28	+ 5
	Manchester (Prestwich)	56	28	48·4	38·6	43·5	+ 4·6	25	10	6	0·40	− 0·15	11·8	—	17	—
	Liverpool Obsy. (Bidston)	56	31	48·9	38·7	43·8	+ 3·8	26	9	6	0·20	− 0·43	20·7	—	30	—
	Chester (Hawarden Bridge)	57	32	51·6	40·1	45·9	+ 4·9	35	5	2	0·09	—	*	*	*	*
	Llandudno M	53	35	49·5	41·3	45·4	+ 3·5	27	2	5	0·43	− 0·10	19·6	+ 1·6	29	+ 2
	Holyhead	52	37	49·4	40·9	45·2	+ 3·4	27	3	4	0·27	− 0·34	*	*	*	*
	Bettws-y-Coed	53	34	49·9	41·9	45·9	+ 4·2	28	0	5	0·56	—	10·5	—	15	—
8. ENGLAND, S.W.	Llangammarch Wells	52	28	48·5	37·1	42·8	+ 3·6	26	14	5	0·37	—	15·9	—	23	—
	Pembroke	51	39	49·0	43·9	46·5	+ 4·1	32	0	5	0·07	− 0·59	13·5	− 6·1	20	− 9
	Cardiff	54	29	51·1	37·5	44·3	+ 3·2	35	13	4	0·20	—	*	*	*	*
	Clifton	53	33	50·0	40·4	45·2	+ 4·2	29	4	4	0·05	− 0·59	*	*	*	*
	Bath	55	30	51·4	38·1	44·8	+ 3·4	36	11	2	0·05	− 0·52	21·5	—	31	—
	Arlington (N. Devon)	51	32	48·3	38·1	43·2	+ 2·4	25	11	6	0·77	− 0·25	*	*	*	*
	Cullompton M	57	31	52·6	38·4	45·5	+ 4·3	40	10	4	0·13	− 0·59	23·2	+ 5·4	34	+ 8
	Falmouth	54	40	51·1	43·2	47·2	+ 3·3	36	0	4	0·19	− 0·76	26·0	+ 5·0	38	+ 7
	Plymouth	54	38	51·7	42·8	47·3	+ 4·5	37	0	3	0·17	− 0·56	21·3	+ 1·6	31	+ 2
9. IRELAND, N.	Malin Head	51	33	49·0	38·1	43·6	+ 1·9	28	11	7	0·62	+ 0·12	*	*	*	*
	Edenfel (Omagh)	50	32	49·1	38·1	43·6	+ 4·6	28	11	6	0·48	− 0·14	*	*	*	*
	Blacksod Point	52	39	50·6	42·7	46·7	+ 3·7	33	0	7	0·75	− 0·12	*	*	*	*
	Markree Castle	52	36	51·0	39·8	45·4	+ 4·7	33	6	6	0·70	− 0·02	13·1	− 3·3	20	− 5
	Armagh	52	33	49·1	39·9	44·5	+ 4·2	26	6	6	0·42	− 0·12	13·1	− 3·2	20	− 5
	Donaghadee	52	32	50·4	37·9	44·2	+ 2·9	33	11	6	0·38	− 0·18	*	*	*	*
10. IRELAND, S.	Dublin	56	34	52·1	41·7	46·9	+ 4·3	36	1	3	0·07	− 0·43	19·1	+ 0·8	28	+ 1
	Birr Castle	52	34	50·9	39·3	45·1	+ 4·0	33	8	6	0·25	− 0·28	10·7	− 6·6	16	− 10
	Kilkenny	57	33	52·4	39·9	46·2	+ 4·4	38	6	3	0·14	− 0·48	*	*	*	*
	Waterford	56	36	52·4	40·0	46·2	+ 4·2	38	6	3	0·15	− 0·68	*	*	*	*
	Roche's Point	55	36	51·4	42·3	46·9	+ 2·9	34	0	6	0·14	− 0·88	*	*	*	*
	Valencia	54	37	51·9	42·9	47·4	+ 2·6	38	0	6	0·38	− 0·84	8·8	− 9·9	13	− 15
	Killarney	56	35	52·4	41·6	47·0	+ 3·5	37	1	4	0·18	− 1·06	*	*	*	*
	Foynes	53	35	51·3	42·7	47·0	+ 4·1	35	0	5	0·38	− 0·36	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	54	43	52·4	44·7	48·6	+ 2·9	46	0	3	0·06	− 0·58	15·2	− 7·5	22	− 11
	Jersey (St. Aubyn's)	54	37	50·6	42·1	46·4	+ 3·0	31	0	6	0·70	+ 0·10	13·3	− 10·7	19	− 15

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked Ş is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 33 additional stations will be found in a Table on the last page of this issue.

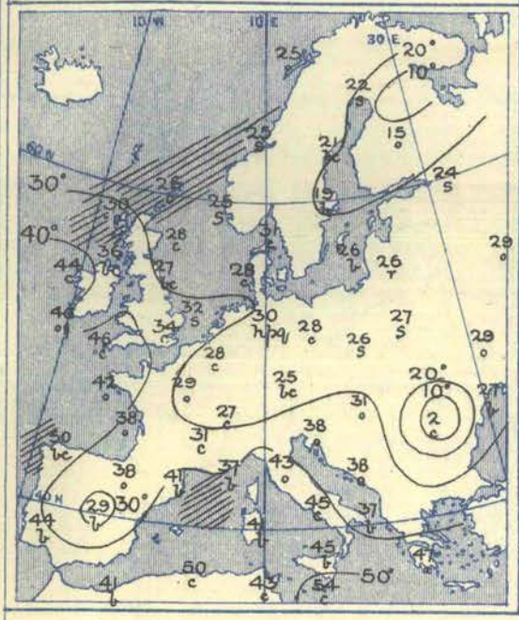
‡ For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 12th February, 1905.

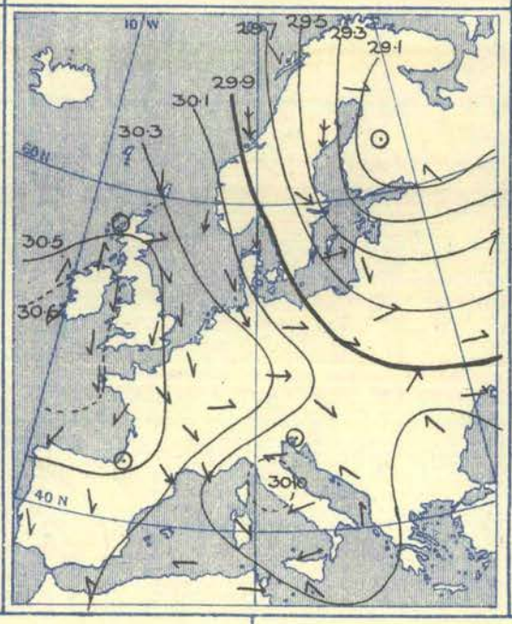
Temperature and Weather.

8 a.m.

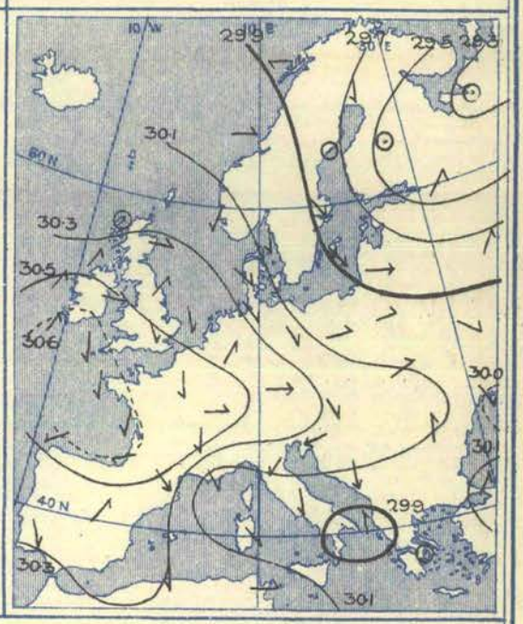


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. varying greatly; fine and bright in many localities, cloudy or overcast in others. Rainy at Rome, and snow falling in the centre and south-east of England, and in several of the central and northern regions of the Continent. Snow showers experienced later over the east of Great Britain and some rain in Italy.

Temperature fallen generally, but risen in some of the most southern localities. Readings at 8 a.m. highest, 54° at Malta, 50° at Algiers and Corunna. Lowest, (1) 2° at Hermanstadt, (2) 8° at Uleaborg, (3) 26° to 31° over the northern half of Great Britain, (4) 29° at Madrid. Remaining below 35° all day in some parts of England and Scotland, but thermometer nearly touching 50° in Ireland, exceeding 50° in Italy, rising to 63° at Nemours, and to 64° at San Fernando. Frost continuing all day over central Europe.

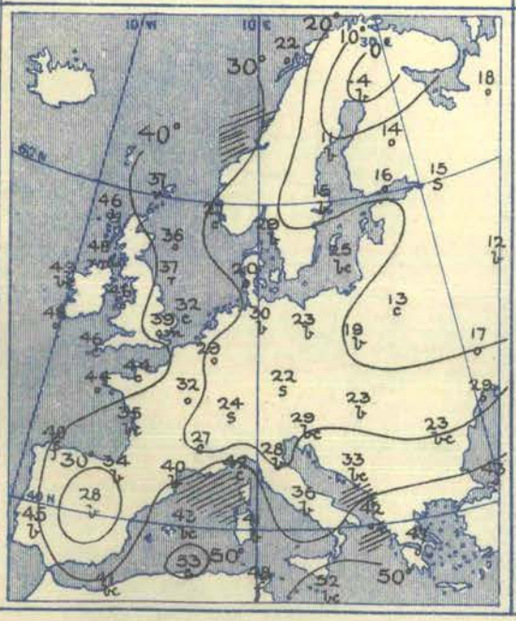
Wind at 8 a.m. Southerly in the north-west of Ireland, North-Westerly over our Islands generally, Northerly over France, and North-Easterly on the north-west coasts of the Peninsula. Strong to a gale from the Northward over Scandinavia and the Baltic and drawing into South-West and falling light over Russia. A separate cyclonic circulation of moderate or light winds prevailing over Italy and its neighbourhood. Not much change as a whole later, but wind backing in Scotland and the north of England, and increasing in force over the Adriatic.

Barometer at 8 a.m. ranging from upwards of 30·6 ins. in an anticyclone centred over Ireland to about 30·0 ins. in a shallow depression over the Gulf of Tuscany, and to less than 29·1 ins. in a more important system over the north of Russia. Latter disturbance travelling away eastwards during day and barometer falling decidedly on our most north-west coasts, Italian depression becoming deeper and moving eastwards.

Monday, 13th February, 1905.

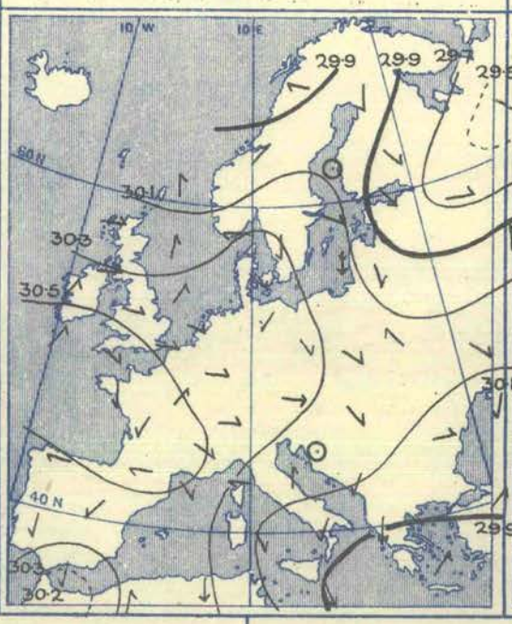
Temperature and Weather.

8 a.m.

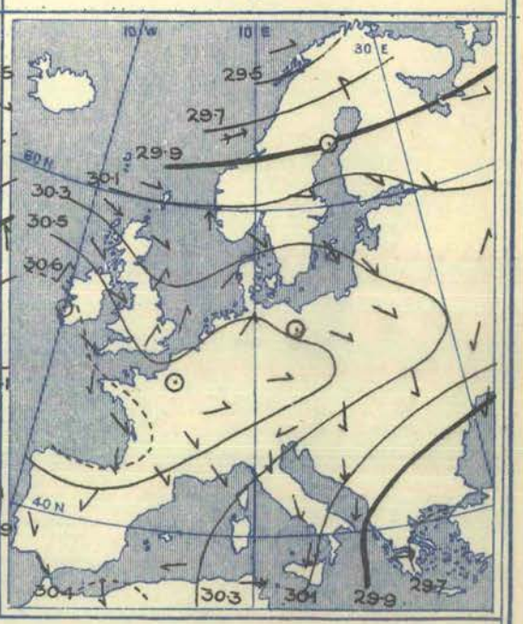


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in Sweden and many southern regions, but cloudy or overcast as a whole. Rain falling in several parts of our Islands, and snow at St. Petersburg and in many parts of central Europe. Slight rain later in most parts of this country, and small quantities of rain or snow in several Continental localities. Heavy rain occurring in the east of Algeria.

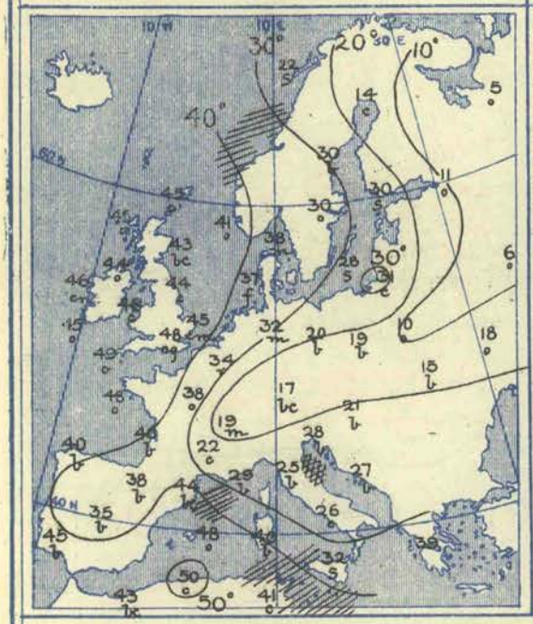
Temperature risen in Norway and the United Kingdom, fallen generally elsewhere. Morning readings ranging from 53° at Algiers, 52° at Malta, and 49° or 48° in the west of Ireland, to below 20° over Russia, Poland, and Sweden, and to −4° at Haparanda. Rising later to 55° at Leith and to 50° or above in several parts of our Islands, France, and Spain, and to 63° at La Calle. Sharp frost experienced during succeeding night in Italy and at Malta.

Wind at 8 a.m. between South-West and North-West over our Islands, and mainly North-Westerly to North-Easterly over the Mediterranean and southern Europe. North-Westerly over most of the northern regions (a gale at Wisby), but Westerly at St. Petersburg and Southerly at Moscow. Wind increasing to a strong wind or moderate gale from the Northward over Italy and the Adriatic later, and from the Westward at Patras. Increasing to a strong gale from West-South-West on the west coast of Norway.

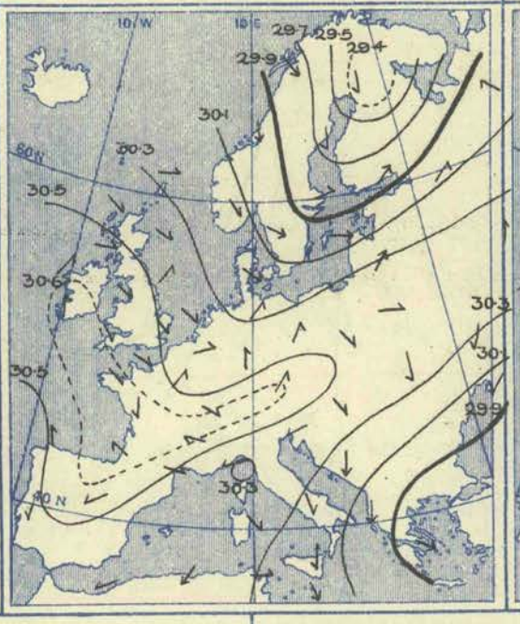
Barometer at 8 a.m. highest, 30·6 ins. and upwards over the Bay of Biscay. Lowest, 29·6 ins. and less in the north of Russia, and relatively low in the south-east of our area as well as off the north-west of Norway. High pressure system extending eastwards and northwards during day, but a "V" depression developing over the east of Great Britain and the North Sea. Barometer falling and gradients increasing in the south-east of our area and a similar change taking place in the extreme north-west.

Tuesday, 14th February, 1905.

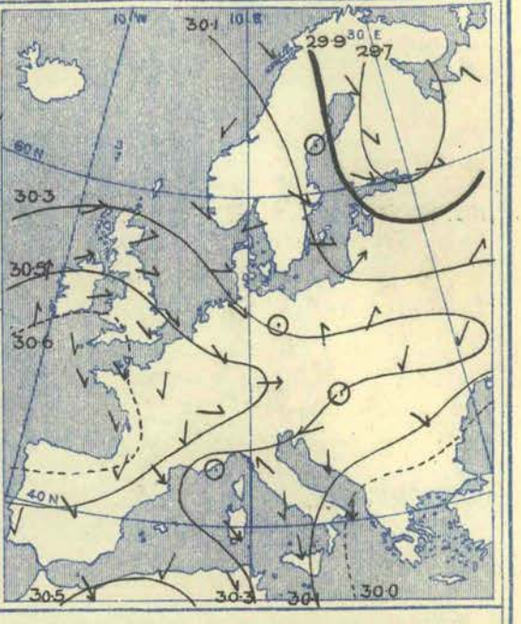
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the Spanish Peninsula and in many parts of central Europe; cloudy or overcast in most other regions, with snow in several Scandinavian localities, and also at Brindisi and Palermo, rain at Brussels, and fog or mist in Holland and Denmark. Slight rain later in various parts of our Islands and rain or snow in most Continental regions. A thunderstorm, with hail, occurring at Algiers.

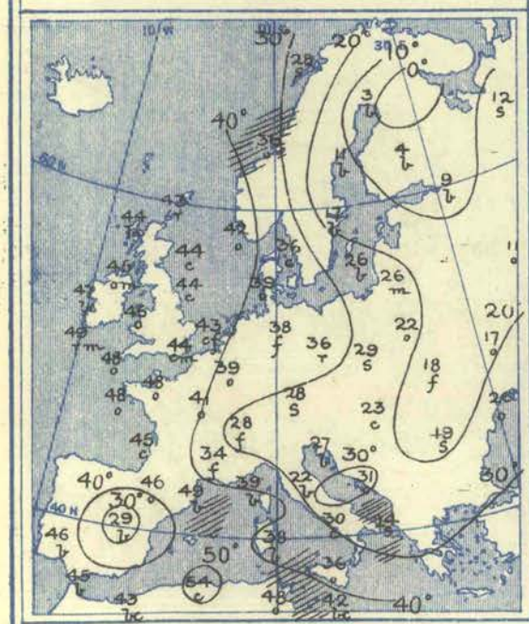
Temperature fallen decidedly over central Europe, Italy, Greece, and in most other countries bordering the Mediterranean, risen elsewhere. Morning readings highest, 52° at Algiers, 49° at Scilly and Donaghadee, and 48° in London. Lowest, 5° at Archangel, 6° at Moscow, 10° at Warsaw and Lemberg, 17° at Munich, 22° at Lyons, 25° at Florence, 32° at Palermo, 35° at Athens and Madrid. Severe frost continuing all day in the centre and north-east of Europe, and thermometer only rising to 34° at Naples. Maximum, 63° at San Fernando and 61° at Nemours. Sharp frost again at night over Italy and its vicinity.

Wind at 8 a.m. North-Westerly to Northerly over the most north-western portions of our area, South-Westerly over the Baltic and Finland, and Southerly in the north of Russia. Light or moderate generally, but blowing a slight gale at Christiansund and over the Gulf of Finland. Very strong Northerly to North-Westerly winds prevailing over the Adriatic, Italy, Malta, and Greece. Little change occurring later; backing towards South-West in Scotland.

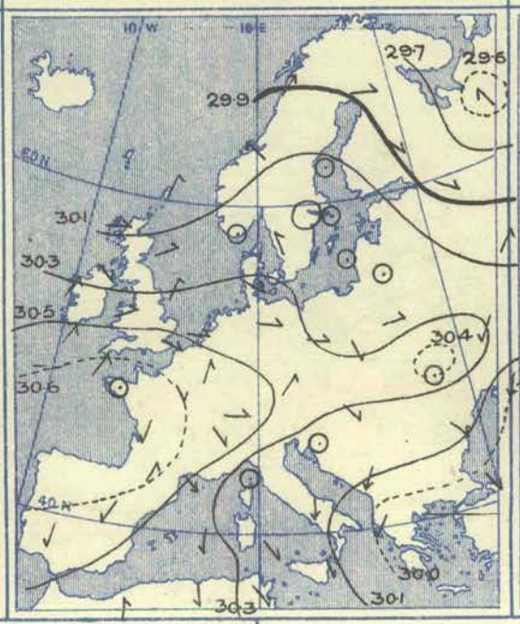
Barometer at 8 a.m. highest, 30·6 ins. and upwards in an irregularly shaped area extending from Ireland to the south-west of France and thence to Bavaria. Lowest, 29·4 ins. and less in a "V" depression having its minimum over Lapland. Relatively low in a large disturbance over the Balkan Peninsula. Northern depression moving eastwards later, but a fresh fall of the barometer taking place on our most north-west coasts.

Wednesday, 15th February, 1905.

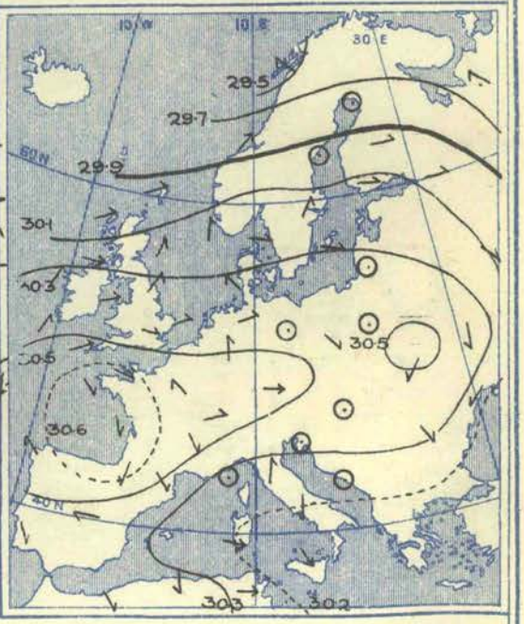
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most parts of our area, but dull in some localities, with rain in the Shetlands, at some Irish stations, and Berlin, and snow at Brindisi and in several parts of central Europe. Small amounts of rain falling later in various districts of our Islands, and of rain or snow both in the south and north of the Continent.

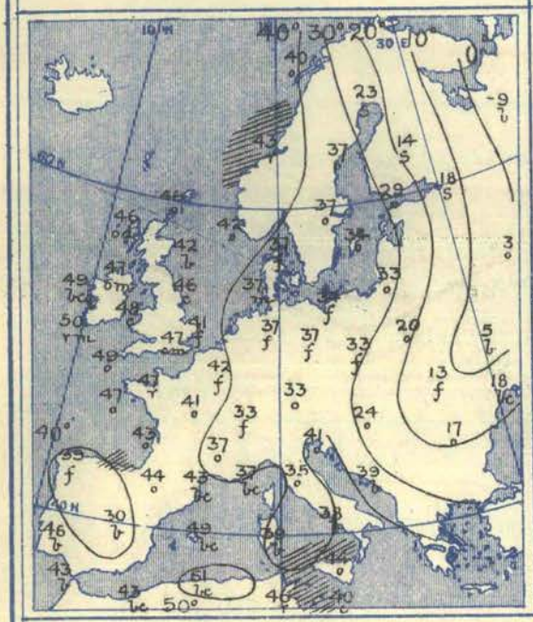
Temperature fallen in Sweden and Finland, risen over the central countries. Morning readings highest, 54° at Algiers and Pahna, 49° in the south of Ireland. Lowest, (1) −3° at Uleaborg, 9° at St. Petersburg, 11° at Moscow, 17° at Stockholm, (2) 7° at Cracow, (3) 22° at Florence, 24° at Brindisi, 30° at Naples, 36° at Palermo. Thermometer rising to above 50° in the west of our Islands later and to above 60° in Algeria and some parts of Spain. Remaining below 32° in Poland and below 40° at some Italian stations. Frost at night at Pesaro, Naples, and Cagliari.

Wind at 8 a.m. light, anticyclonic over the Bay of Biscay and the surrounding regions, and a complete cyclonic circulation of moderate force shown over the north of Russia. Light to fresh or strong winds from some Northerly point prevailing over the Mediterranean and south of Russia. Very little change during day.

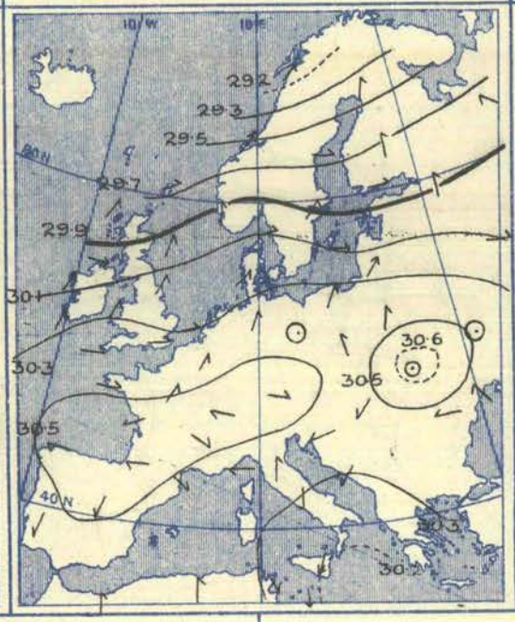
Barometer at 8 a.m. ranging from above 30·6 ins. in a large anticyclone centred over the Bay of Biscay and extending eastwards to central Europe, to below 30·0 ins. in a depression off the north of Scotland, and to below 29·6 ins. in another system near Archangel. Pressure relatively low over the Mediterranean region. Little modification in the general distribution later, but barometer falling and becoming lowest in the extreme north of Norway.

Thursday, 16th February, 1905.

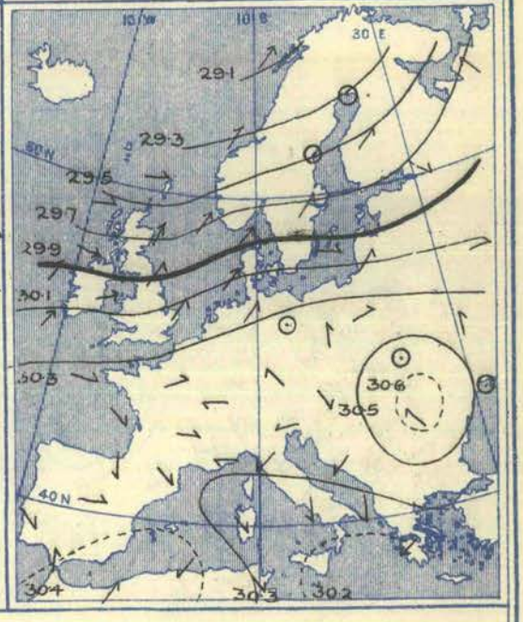
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in Algeria and the south of Europe; cloudy or overcast in most other regions, with rain at Tunis, Lorient, Jersey, in central England, the south of Ireland, and at Stornoway, and snow or rain in several parts of northern Europe. Fog prevalent in Denmark, Germany, the Netherlands, and Belgium, as well as at Yarmouth and in the north-west of Spain. Rather heavy rain later in the west of Norway and slight falls in most parts of the United Kingdom.

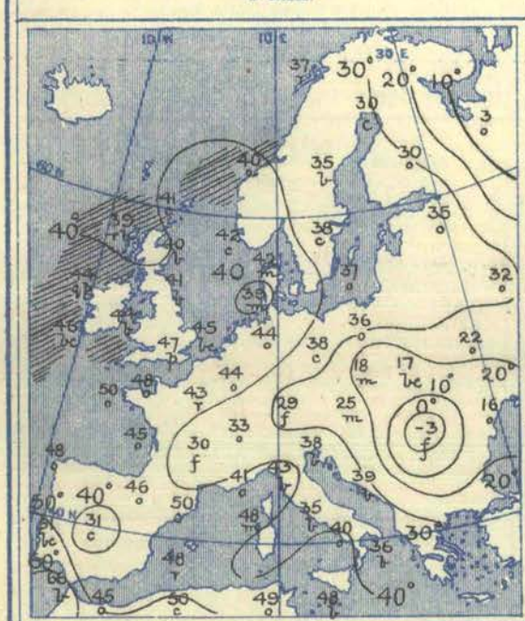
Temperature risen generally, but fallen in Russia. Morning readings highest, (1) −9° at Archangel, +3° at Moscow and Kharkov, 18° at St. Petersburg, (2) 29° at Turin, 33° at Rome, 39° at Cagliari and Sfax, (3) 30° at Madrid. Rising later to 55° at Manchester, North Shields, and Nottingham, and to a higher level in Algeria and the Spanish Peninsula. Highest value, 66° at San Fernando. Thermometer only rising to 45° at Naples and Brindisi.

Wind at 8 a.m. South-Westerly to Southerly over the northern half of our area; fresh or strong in places and blowing a gale in Norway. Strong Northerly winds over the central parts of the Mediterranean. Light airs prevailing over France, Germany, Austria, and Hungary. Scarcely any change occurring later in day.

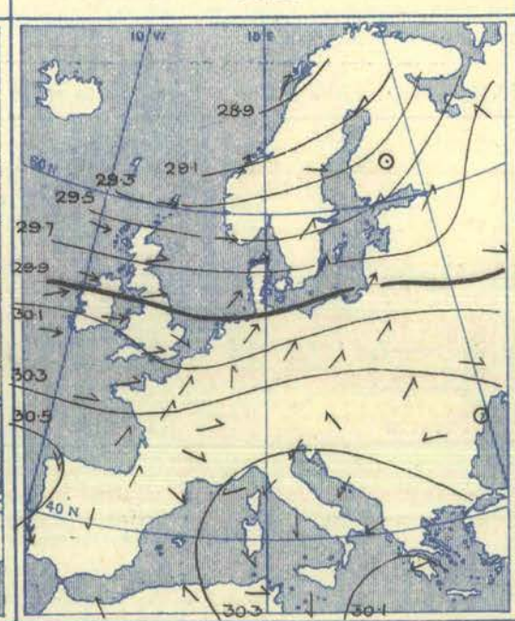
Barometer at 8 a.m. ranging from 30·5 ins. to 30·6 ins. in a large anticyclonic band extending from the Bay of Biscay to Transylvania, to below 30·2 ins. over the south of Italy, and to below 29·2 ins. in the far north of Norway. Barometer falling decidedly over our Islands during day, but little change taking place in the general distribution of pressure.

Friday, 17th February, 1905.

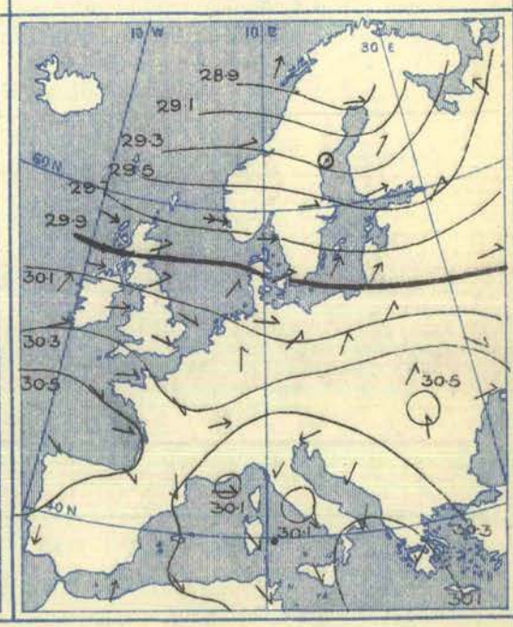
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most regions, but rain or showers falling at some of our own stations, in the Netherlands, as well as at Paris and Bodö. Rain experienced subsequently in different parts of the Continent, over our own northern and western districts, and in Algeria—largest amounts, 0·5 in. at Christiansund and 0·9 in. at Athens.

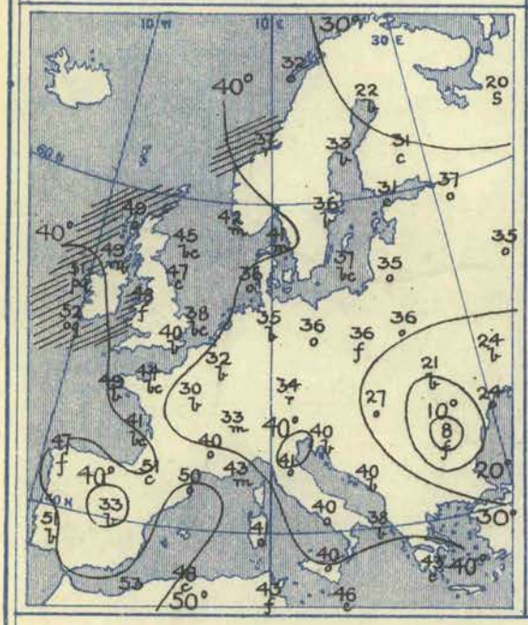
Temperature fallen over our Islands, risen quickly in Russia and Poland. Readings in morning ranging from 51° at Lisbon and 50° at Algiers to 38° in the north of Scotland, to below 30° in various parts of central and eastern Europe, to 3° at Archangel, and to −3° at Hermanstadt. Maxima during day about 50° over the United Kingdom and many parts of France and Italy, 55° to 59° in the Spanish Peninsula, and above 60° in Algeria; only 43° at Athens.

Wind at 8 a.m. fresh or strong from the Westward over the United Kingdom, and from a more South-Westerly point over the northern countries of the Continent. Strong from the North-Eastward at Athens and Brindisi, and light or moderate from North or North-East in the south generally. Rising to a fresh gale from West at Skudesnaes by evening; decreasing in force at Brindisi and Athens.

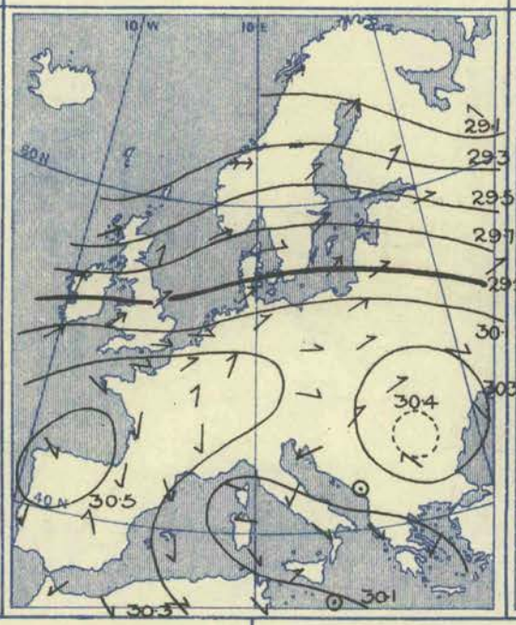
Barometer at 8 a.m. highest, (1) 30·65 ins. to 30·4 ins. in a vast anticyclone extending from the Azores to Bavaria, and (2) above 30·4 ins. in another area extending from the Black Sea to Hungary. Lowest, 28·87 ins. at Bodö; relatively low, 30·1 ins. and less over Greece. Not much change in the general distribution of pressure later. Depression in extreme north travelling eastwards.

Saturday, 18th February, 1905.

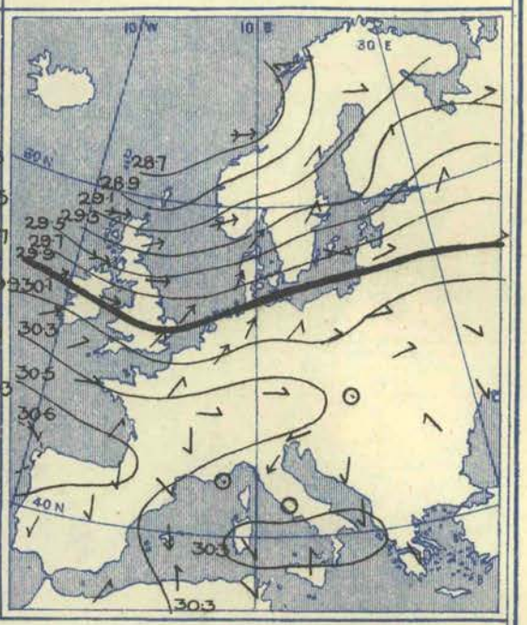
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in many regions, but rainy at some of our own stations, at Christiansund, Munich, and Prague, and snow reported at Archangel. Rain rather general later over our Islands and the western countries of the Continent, as well as in Algeria. Amounts small as a rule, but 0·7 in. measured at Wick, and 0·6 in. at Lyons and La Calle.

Temperature changed rather irregularly. Morning readings highest, 58° at Nemours, 52° in the south of Ireland, 51° at Lisbon, and 49° at Stornoway. Lowest, 8° at Hermanstadt, 20° at Archangel, below 30° over Russia generally and in the north of Sweden, 33° at Madrid, and below 40° in most parts of Italy. Rising to 56° or 57° in the north of England during day and to 50° or above at some French and Italian stations. Highest maximum, 61° at Lisbon.

Wind in morning South-Westerly to Westerly over all the northern half of our area, moderate or light generally, but strong to a gale on our extreme north-west coasts and in Norway. An irregular cyclonic circulation prevailing over Italy and its neighbourhood. Westerly wind increasing in force during the day—to a strong gale on our western and northern coasts and in Norway, and to a moderate gale in many of the neighbouring regions.

Barometer at 8 a.m. ranging from above 30·5 ins. over the northern part of Spain and Portugal and the adjacent portion of the ocean, and from 30·4 ins. at Hermanstadt to less than 30·1 ins. in an elongated depression extending from Greece to the south-east of France, and to less than 29·1 ins. over the extreme north of Europe. Relatively low and falling quickly on our north and north-west coasts. Pressure giving way very briskly over Scotland and Scandinavia during day, and gradients becoming very steep over almost all the northern half of our area.

IV.—GENERAL NOTES, etc.

At the commencement of the week an anticyclone was extending over the western countries from the Atlantic, while pressure was lowest in a large disturbance over the north of Russia. The anticyclone continued to expand eastwards and soon formed a high pressure band, which, with some modifications in form and intensity, stretched from the Bay of Biscay or the Spanish Peninsula to Transylvania or the south of Russia throughout the remainder of the period. Some ill-defined low pressure systems were usually found over some part of the Mediterranean or the extreme south of Europe, while large and deep depressions moved eastwards in the extreme north. The general current of wind was consequently Westerly to South-Westerly over all the more northern countries and from some Northerly or North-Easterly point in the south.

No great force was experienced until the latter days of the week when it increased to a strong breeze over our Islands and to a gale in Scandinavia. Quite at the end of the period, when the gradients became much steeper, a very strong gale was experienced on our own western and northern coasts. Temperature was rather high for the time of year over most of the northern regions, but in Italy a very quick fall took place just before the middle of the week and some exceptionally sharp frosts were experienced. The cold weather in Italy was accompanied by snow, and snow also fell in Sicily and Malta. Rain was frequent in the most north-western parts of our area, but taken as a whole, the weather was dry and fine.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 38.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	11·1	- 3·3	17	- 5	CROMER	13·8	—	20	—	BOGNOR	15·0	—	22	—
STRATHPEFFER SPA	9·6	- 6·2	15	- 10	LOWESTOFT	15·7	—	23	—	VENTNOR HOSPITAL	15·5	- 5·2	23	- 8
CRATHES	30·7	—	47	—	DUNMOW	17·8	—	26	—	BOURNEMOUTH	23·8	—	34	—
BALRUDDERY	22·3	—	34	—	SHEFFIELD	17·4	—	26	—	MARLBOROUGH	10·8	- 4·5	16	- 7
EDINBURGH	11·8	- 2·7	18	- 4	WORKSOP	15·6	+ 0·4	23	+ 1	SOUTHPORT	18·0	—	27	—
COCKLE PARK	24·2	—	37	—	THURCASTON	—	—	—	—	RHYL	23·1	—	34	—
NEWCASTLE-on-TYNE	18·6	—	28	—	MARGATE	19·6	+ 1·4	28	+ 2	ABERDOVEY	18·5	—	27	—
SALTBURN-by-the-SEA	? 20·2	—	? 31	—	BROADSTAIRS	20·5	—	30	—	TENBY	17·9	- 2·3	26	- 4
YORK	14·5	- 0·6	22	- 1	RAMSGATE	20·4	—	30	—	TORQUAY	25·5	+ 6·6	37	+ 10
SKEGNESS	16·9	—	25	—	EASTBOURNE	14·5	- 4·6	21	- 7	NEWQUAY	22·4	+ 2·0	33	+ 3
					BRIGHTON	16·3	- 3·4	24	- 5	GUERNSEY	18·1	- 4·7	26	- 7
					WORTHING	14·1	—	20	—					

Reports received too late for insertion in their proper places.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 5, page 26	Lairg	49	23	42·6	34·3	38·5	+ 3·2	2	28	7	2·87	+ 2·10	—	—	—	—
No. 6, page 36	Broadstairs	—	—	—	—	—	—	—	—	—	—	—	14·8	—	22	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 8. EIGHTH WEEK, ENDING SATURDAY, FEBRUARY 25TH, 1905. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 44.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	47	15	39·6	28·3	33·9	4 below	0	− 8	57	+20	53	− 1	243	− 49
	1. SCOTLAND, EAST	48	12	40·4	29·0	34·8	3 below	0	−11	50	+11	79	+12	263	− 69
	2. ENGLAND, N.E.	48	29	41·0	33·2	37·2	2 below	0	−12	34	+ 1	85	+13	223	− 61
	3. ENGLAND, EAST	50	29	42·2	34·4	38·3	1 below	1	−14	27	− 9	79	+ 1	234	− 81
	4. MIDLAND COUNTIES	55	21	42·0	31·8	37·0	3 below	0	−16	35	0	100	+ 7	243	− 76
	5. ENGLAND, SOUTH	50	29	42·3	34·1	38·2	2 below	1	−17	28	+ 1	100	−12	190	− 54
Principal Grazing Districts.	6. SCOTLAND, WEST	46	25	42·1	30·3	36·2	4 below	0	−11	41	+13	101	+21	157	− 79
	7. ENGLAND, N.W.	47	24	41·6	32·1	36·9	4 below	0	−13	36	+ 9	105	+20	151	− 71
	8. ENGLAND, S.W.	49	22	42·4	33·3	37·9	4 below	1	−19	31	+ 9	122	−15	142	− 38
	9. IRELAND, NORTH	46	22	42·8	31·2	37·1	4 below	2	−15	39	+16	136	+20	129	− 72
	10. IRELAND SOUTH	55	22	45·0	31·7	38·4	5 below	8	−15	39	+22	200	+30	92	− 62
	— CHANNEL ISLANDS	50	33	45·0	37·7	41·4	3 below	8	−18	18	+ 9	218	+23	43	− 36

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 44.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	6	4 less	46	+ 8	11·7*	+ 3·5	27	+11	38	+15	75	− 4	17	− 1
	1. SCOTLAND, EAST	3	3	3 less	28	− 3	2·3*	− 2·5	18	− 2	26	− 2	129	+ 2	26	+ 1
	2. ENGLAND, N.E.	4	3	1 less	18	−11	1·1	− 2·2	18	− 3	25	− 4	126	− 1	26	0
	3. ENGLAND, EAST	3	2	2 less	23	− 8	1·5	− 1·7	27	+ 5	37	+ 7	156	+ 38	32	+ 8
	4. MIDLAND COUNTIES	3	2	3 less	23	− 6	1·4	− 2·6	17	+ 4	24	+ 5	116	+ 20	24	+ 4
	5. ENGLAND, SOUTH	4	2	3 less	22	− 7	1·7	− 2·8	25	+ 6	35	+ 9	144	+ 30	29	+ 6
Principal Grazing Districts.	6. SCOTLAND, WEST	2	9	1 less	36	+ 2	6·7	− 2·3	35	+19	49	+27	106	+ 13	22	+ 3
	7. ENGLAND, N.W.	3	3	2 less	31	− 1	3·1	− 2·1	28	+13	40	+18	104	+ 15	22	+ 3
	8. ENGLAND, S.W.	3	4	3 less	26	− 7	2·6	− 3·9	30	+10	41	+14	130	+ 12	26	+ 2
	9. IRELAND, NORTH	4	7	0 (average)	40	+ 2	4·9	− 0·8	35	+17	50	+25	95	− 8	20	− 2
	10. IRELAND, SOUTH	3	8	0 (average)	33	− 3	4·3	− 2·9	42	+22	59	+30	112	− 9	23	− 2
	— CHANNEL ISLANDS	5	6	0 (average)	32	− 4	2·8	− 2·8	21	− 5	29	− 7	144	0	28	0

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather during this period was mostly fair, but squalls and showers of snow were experienced in many districts during the first day or two, and some slight falls of rain or sleet later in the week.

Temperature was below the mean, the deficit ranging from 1° in England E. and 2° in England N.E. and S. to 4° in most western districts and Scotland N., and to 5° in Ireland S. The highest of the maxima were recorded in most parts of England on the 19th, but in Ireland and Scotland some days later. They ranged from 55° in the Midland Counties and Ireland S. to 46° in Scotland W. and Ireland N. Towards the end of the period many of the maxima registered in England and Scotland were below 40°. The lowest of the minima occurred on rather irregular dates. In Scotland E. (at Braemar on the 22nd) the thermometer fell to 12°, and in Scotland N. (at Lairg on the 23rd) to 15°. Elsewhere the lowest readings ranged from 21° in the Midland Counties and 22° in England S.W. and over Ireland to 33° in the Channel Islands.

Rainfall was less than the mean throughout Great Britain, but just equalled it in Ireland and the Channel Islands.

Bright Sunshine exceeded the normal amount except in England N.E., Scotland E., and the Channel Islands. In Ireland and the western districts of Great Britain the excess was large. The percentage of the possible duration ranged from 59 in Ireland S., 50 in Ireland N., and 49 in Scotland W., to 25 in England N.E., and to 24 in the Midland Counties.

Barometer and Wind. At the commencement of the week the barometer was rising briskly over all our western districts in the rear of a depression centred over Scandinavia, and the wind was strong to a gale from West or West-North-West. This upward movement continued and spread to all parts of the Kingdom, but as it was much more rapid in the west and north-west than in the east and south-east the wind veered to the Northward and blew a gale on most coasts. About the middle of the week our more southern districts came under the influence of a depression spreading from the southward, and the wind veered to the North-Eastward and blew strongly or with the force of a slight gale. This continued with little modification until Thursday night, when the high pressure over the northern parts of our Islands and the North Sea had given way and the north-easterly current was succeeded by light and variable winds, which finally gave place to a light breeze, mainly from the South-Westward. Quite at the close of the period a very sudden and rapid fall of the barometer occurred in the west and north, and the South-Westerly wind increased to a strong breeze or to a gale very generally.

3388 Wy. & S. Ltd.
370 2 | 05

II.—DATA from which the SUMMARY on page 43 has been calculated.

Districts. Feb. 19-25, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
O. SCOTLAND, N.	Sumburgh Head	42	29	39·7	33·9	36·8	- 1·3	0	36	4	0·38	- 0·36	*	*	*	*
	Stornoway	47	29	42·0	32·1	37·1	- 1·8	0	34	4	0·93	+ 0·02	21·1	+ 3·4	31	+ 5
	Wick	40	27	39·6	30·4	35·0	- 3·3	0	49	3	0·36	- 0·14	*	*	*	*
	Lairg ℌ	46	15	41·4	23·1	32·3	- 4·6	0	68	4	0·27	- 0·46	*	*	*	*
	Glencarron ℌ	41	20	38·0	24·7	31·4	- 5·9	0	74	4	0·66	- 0·99	*	*	*	*
	Fort Augustus ℌ	42	20	36·7	25·3	31·0	- 7·5	0	77	3	0·68	- 0·22	29·1	+ 17·0	42	+ 25
1. SCOTLAND, E.	Nairn	44	21	39·9	26·9	33·4	- 5·0	0	60	3	0·13	- 0·25	*	*	*	*
	Aberdeen	43	30	40·7	32·7	36·7	- 1·9	0	37	5	0·45	- 0·09	15·8	- 4·9	23	- 7
	Braemar ℌ	39	12	35·7	22·4	29·1	- 5·9	0	90	3	0·34	- 0·32	*	*	*	*
	Clathick ℌ	48	25	42·4	28·3	35·4	- 3·0	1	49	2	0·54	- 0·26	*	*	*	*
	Leith	47	27	43·3	32·3	37·8	- 2·3	4	35	2	0·07	- 0·29	*	*	*	*
	Marchmont ℌ	46	29	40·6	31·6	36·1	- 1·7	0	41	3	0·18	- 0·39	19·3	+ 0·4	28	+ 1
2. ENGLAND, N.E	Alnwick Castle	44	29	40·8	32·1	36·5	- 2·3	0	39	6	0·37	- 0·17	*	*	*	*
	Durham	44	29	39·6	31·6	35·6	- 3·0	0	45	4	0·24	- 0·16	14·4	- 4·3	21	- 6
	Shields	45	30	41·3	33·6	37·5	- 2·1	0	32	5	0·16	- 0·22	*	*	*	*
	Scarborough ℳ	48	32	42·2	34·8	38·5	- 1·2	1	25	5	0·59	+ 0·14	14·3	—	20	—
	Spurn Head	45	30	41·9	34·6	38·3	- 1·2	0	26	4	0·21	- 0·12	*	*	*	*
	Lincoln	46	30	41·4	33·2	37·3	- 2·3	0	33	4	0·24	- 0·12	*	*	*	*
	Fulbeck	44	29	40·0	32·7	36·4	- 2·2	0	39	3	0·21	- 0·15	19·6	—	28	—
3. ENGLAND, E.	Hillington ℳ	47	30	42·4	34·2	38·3	- 1·0	1	28	4	0·16	- 0·28	18·7	- 1·6	26	- 2
	Yarmouth	46	33	41·4	35·6	38·5	- 0·3	0	25	4	0·26	- 0·16	*	*	*	*
	Geldeston	50	32	43·0	35·0	39·0	- 0·7	3	25	3	0·13	- 0·23	29·4	+ 8·1	41	+ 11
	Cambridge	50	31	41·7	33·6	37·7	- 2·0	0	30	5	0·39	+ 0·05	27·1	+ 6·2	38	+ 9
	Felixstowe	47	29	42·5	34·7	38·6	- 1·0	1	26	2	0·27	—	30·7	—	43	—
	Clacton-on-Sea	47	30	42·0	34·4	38·2	- 1·8	0	27	2	0·11	—	31·6	—	44	—
	Rothamsted	46	29	41·5	32·3	36·9	- 2·2	0	36	5	0·31	- 0·15	26·4	+ 6·7	37	+ 9
	Shoeburyness	48	31	42·9	35·1	39·0	- 1·0	3	25	2	0·13	- 0·17	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	43	29	40·0	31·2	35·6	- 2·7	0	45	4	0·36	- 0·24	18·5	—	26	—
	Bawtry (Hesley Hall)	45	28	42·9	32·4	37·7	- 2·0	3	35	3	0·24	- 0·14	*	*	*	*
	Nottingham	45	31	41·1	33·7	37·4	- 2·3	0	32	4	0·13	- 0·27	17·1	—	24	—
	Colly Weston (Stamford)	47	30	42·3	32·7	37·5	- 1·9	1	33	7	0·20	- 0·22	*	*	*	*
	Cheadle ℳ	45	27	40·1	30·9	35·5	- 2·9	0	46	3	0·10	- 0·46	*	*	*	*
	Birmingham (Edgbaston)	47	29	40·5	31·6	36·1	- 3·4	0	41	2	0·28	- 0·11	8·8	—	12	—
	Shrewsbury	49	24	43·7	30·6	37·2	- 3·3	5	41	2	0·18	—	*	*	*	*
	Hereford ℳ	46	29	41·9	32·2	37·1	- 3·2	0	34	2	0·30	- 0·18	*	*	*	*
	Cirencester	55	21	45·4	29·7	37·6	- 1·4	10	46	3	0·29	- 0·26	25·0	+ 4·4	35	+ 6
	Oxford	48	30	42·4	33·1	37·8	- 2·5	1	32	3	0·09	- 0·34	28·4	+ 9·1	39	+ 13
	Westminster	49	32	42·9	35·0	39·0	- 1·6	3	25	4	0·24	—	20·8	+ 10·8	29	+ 15
5. ENGLAND, S.	London (Brixton)	48	31	42·3	34·6	38·5	- 2·2	1	26	5	0·27	- 0·12	23·2‡	+ 11·0‡	32‡	+ 15‡
	Wisley (Surrey)	48	31	42·4	34·1	38·3	- 2·6	1	28	6	0·23	—	24·7	—	34	—
	Swarraton (Alresford) ℳ	47	31	41·8	33·4	37·6	- 1·6	0	31	3	0·22	- 0·40	*	*	*	*
	Tunbridge Wells ℳ	47	30	41·2	32·8	37·0	- 1·7	0	35	7	0·29	—	23·2	—	32	—
	Dungeness	50	30	42·6	35·1	38·9	- 1·5	2	25	5	0·13	- 0·19	24·0	—	33	—
	Hastings (St. Leonards)	48	32	42·6	35·2	38·9	- 1·8	2	24	4	0·14	- 0·36	26·6	+ 3·0	37	+ 4
	Southampton	50	31	44·2	34·7	39·5	- 2·3	6	27	4	0·31	- 0·25	30·7	+ 9·2	43	+ 13
	Portland Bill	47	32	43·0	34·9	39·0	- 4·0	3	26	2	0·17	—	*	*	*	*
	Shaftesbury ℳ	45	29	40·2	31·8	36·0	- 3·5	0	42	3	0·22	- 0·38	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	46	28	42·9	30·1	36·5	- 3·9	3	42	3	2·58	+ 1·02	*	*	*	*
	Glasgow	43	30	40·3	31·9	36·1	- 3·1	0	41	3	0·41	- 0·31	24·7	+ 11·6	35	+ 17
	Cally ℌ	46	25	44·1	28·3	36·2	- 3·2	6	49	2	0·47	- 0·48	*	*	*	*
	Aspatria	43	27	40·5	29·4	35·0	- 4·6	0	49	1	0·52	—	32·7	—	47	—
	Douglas (Isle of Man)	45	27	42·6	31·7	37·2	- 3·8	2	37	3	0·56	- 0·21	46·0	+ 25·3	66	+ 37
7. ENGLAND, N.W.	Newton Rigg	43	24	39·8	27·8	33·8	- 3·8	0	57	3	0·43	—	27·5	—	39	—
	Stonyhurst	43	31	40·2	32·1	36·2	- 3·1	0	41	3	0·34	- 0·49	30·0	+ 12·6	42	+ 18
	Blackpool ℳ	45	26	43·2	30·9	37·1	- 2·7	3	40	3	0·34	- 0·20	41·5	+ 23·8	59	+ 34
	Manchester (Prestwich)	47	30	41·1	31·6	36·4	- 2·9	0	39	2	0·27	- 0·27	22·7	—	32	—
	Liverpool Obsy. (Bidston)	44	30	41·0	33·1	37·1	- 3·3	0	34	3	0·20	- 0·22	26·2	—	37	—
	Chester (Hawarden Bridge)	46	27	42·2	32·9	37·6	- 3·8	1	32	2	0·12	—	*	*	*	*
	Llandudno ℳ	45	31	42·4	33·5	38·0	- 4·2	1	30	3	0·26	- 0·26	22·3	+ 2·6	31	+ 4
	Holyhead	45	32	42·3	34·9	38·6	- 3·3	1	25	3	0·69	+ 0·12	*	*	*	*
	Bettws-y-Coed	46	26	42·0	31·9	37·0	- 4·9	0	35	3	0·42	—	16·4	—	23	—
8. ENGLAND, S.W.	Llangammarch Wells	43	22	40·0	29·9	35·0	- 4·1	0	49	3	0·64	—	17·4	—	24	—
	Pembroke	45	31	43·0	34·4	38·7	- 3·8	3	27	4	0·55	- 0·08	42·5	+ 20·5	59	+ 28
	Cardiff	48	28	43·0	33·2	38·1	- 3·4	3	32	2	0·16	—	*	*	*	*
	Clifton	46	29	42·2	33·1	37·7	- 3·8	1	32	2	0·17	- 0·43	*	*	*	*
	Bath	48	22	42·9	32·4	37·7	- 3·8	3	35	2	0·26	- 0·29	28·4	—	39	—
	Arlington (N. Devon)	45	29	41·0	32·7	36·9	- 3·9	0	36	3	0·46	- 0·51	*	*	*	*
	Cullompton ℳ	49	25	42·9	33·6	38·3	- 3·4	3	30	2	0·32	- 0·34	28·6	+ 8·4	40	+ 12
	Falmouth	48	32	43·3	35·3	39·3	- 4·7	4	24	3	0·70	- 0·20	28·8	+ 5·5	40	+ 8
	Plymouth	48	32	43·6	35·0	39·3	- 3·7	4	26	2	0·42	- 0·26	34·3	+ 12·0	48	+ 17
9. IRELAND, N.	Malin Head	45	27	43·0	30·1	36·6	- 5·1	3	43	4	0·56	+ 0·06	*	*	*	*
	Edenfel (Omagh)	44	26	42·0	29·9	36·0	- 3·4	0	42	4	0·55	- 0·05	*	*	*	*
	Blacksod Point	46	33	44·3	35·1	39·7	- 3·4	6	26	4	1·22	+ 0·38	*	*	*	*
	Markree Castle	44	22	42·9	28·5	35·7	- 5·3	3	48	3	0·63	- 0·07	31·4	+ 13·4	45	+ 19
	Armagh	46	24	42·7	28·2	35·5	- 5·1	2	49	4	0·51	- 0·02	38·8	+ 21·1	55	+ 30
	Donaghadee	46	33	42·1	35·4	38·8	- 2·9	0	24	3	0·42	- 0·12	*	*	*	*
10. IRELAND, S.	Dublin	46	32	43·4	34·2	38·8	- 3·9	4	28	3	0·26	- 0·24	38·5	+ 18·1	54	+ 26
	Birr Castle	46	22	43·7	27·4	35·6	- 5·8	5	53	3	0·65	+ 0·15	49·1	+ 30·1	69	+ 42
	Kilkenny	48	26	43·9	30·1	37·0	- 5·0	5	43	3	0·43	- 0·14	*	*	*	*
	Waterford	49	28	45·6	32·1	38·9	- 3·4	10	38	2	0·65	- 0·13	*	*	*	*
	Roche's Point	47	27	45·3	32·4	38·9	- 5·2	9	36	3	0·90	- 0·06	*	*	*	*
	Valencia	49	27	46·0	34·4	40·2	- 4·8	11	29	4	1·24	+ 0·10	37·4	+ 16·3	52	+ 23
	Killarney	49	23	45·7	30·4	38·1	- 5·5	10	44	3	1·60	+ 0·46	*	*	*	*
	Foynes	55	26	46·6	32·3	39·5	- 3·7	13	38	3	0·91	+ 0·20	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	49	35	45·4	37·9	41·7	- 4·0	10	17	4	0·93	+ 0·31	24·2	- 0·7	33	- 1
	Jersey (St. Aubyn's)	50	33	44·6	37·4	41·0	- 2·6	7	18	6	0·29	- 0·29	21·0	- 5·4	29	- 7

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked ℌ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

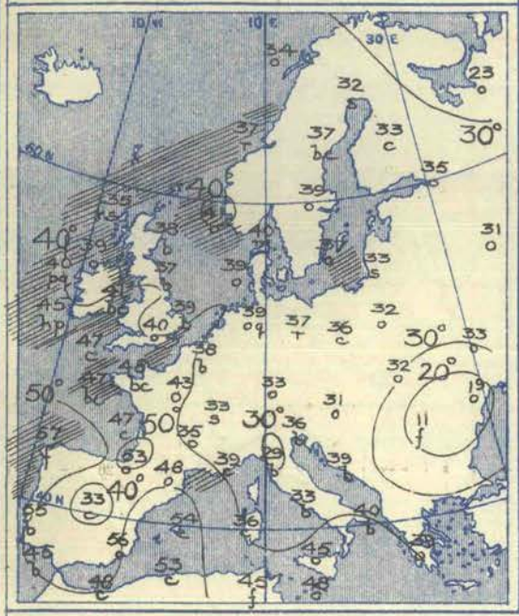
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 33 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

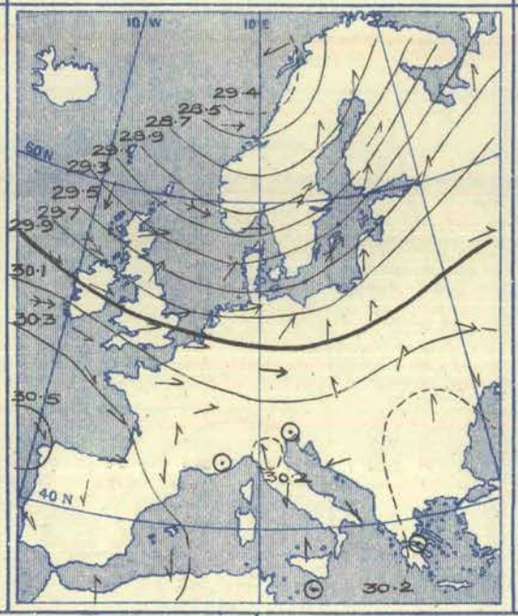
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 19th February, 1905.

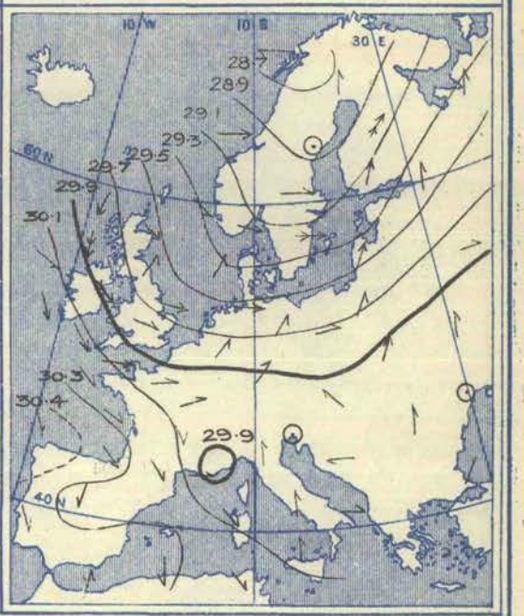
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in a few places, but very rough and unsettled over the northern half of our area generally, with rain, sleet, or snow at times. Fine and quiet in nearly all the southern regions. Rain falling later at many of the Mediterranean stations, in most parts of France, and at Bilbao, and sleet or snow showers throughout the United Kingdom and most parts of northern Europe.

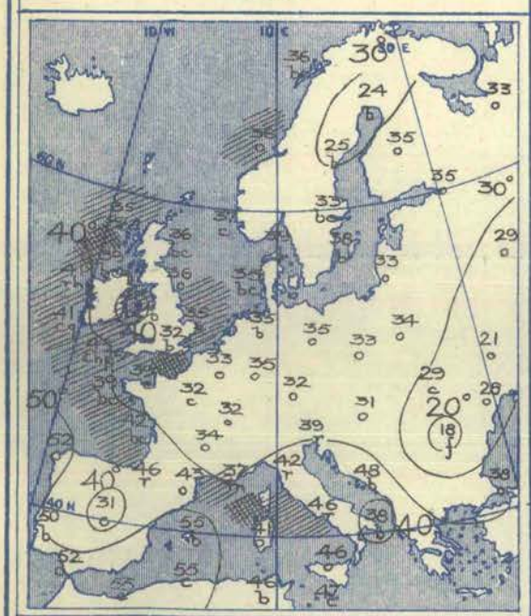
Temperature fallen quickly over the United Kingdom. Readings in morning ranging from 55° at Lisbon, 54° at Palma, and 53° at Algiers, to below 40° over the major portion of our area, to 20° at Florence, 23° at Archangel, 19° at Odessa, and to 11° at Hermanstadt. Rising to 66° at Nemours during day, to 64° at San Fernando and Palma, and to about 50° in Italy, the south and west of France, as well as at Dungeness and Jersey. Maxima below 40° in the north of Scotland.

Wind at 8 a.m. showing a vast cyclonic circulation over all the more northern countries, the North-Westerly and Westerly currents blowing a gale in most parts of our Islands, Norway, and over the south of Sweden. Light variable airs prevalent over the southern countries. South-Westerly wind increasing to a gale over Finland by evening; a separate cyclonic movement setting in around the Gulf of Genoa.

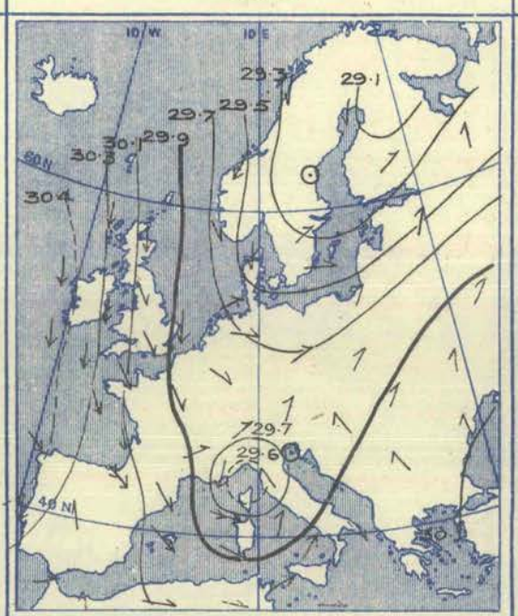
Barometer at 8 a.m. ranging from above 30·5 ins. in an anticyclone extending from the Atlantic to the north-west of Spain and from above 30·2 ins. in another system over the south-east of our area, to about 28·3 ins. in a very large cyclonic disturbance having its centre over the north-west coast of Norway. Latter system travelling north-eastwards during day, and barometer rising again very briskly in its rear. A small baric minimum forming over the extreme south-east of France, and pressure giving way somewhat in the south of Europe generally.

Monday, 20th February, 1905.

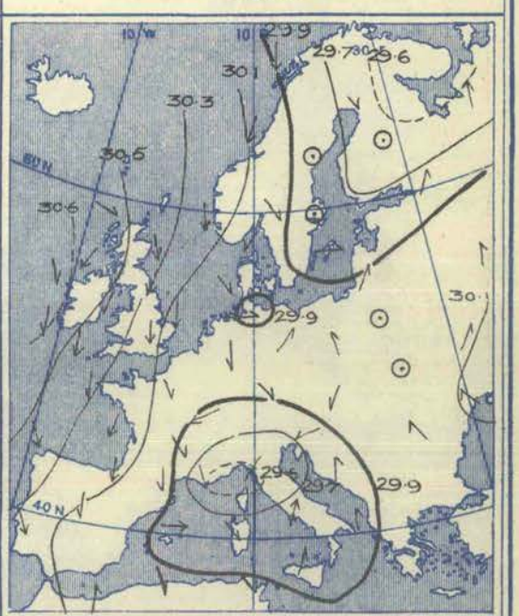
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine in Sweden and in most parts of our Islands, but snow showers falling at Stornoway and Yarmouth. Cloudy or overcast over Europe as a whole, with rain at Biarritz, Swinemünde, and at several Italian stations. Rain, sleet, or snow falling later in various British localities and also in France, Italy, Algeria, and many other regions. Amounts heaviest over Algeria and the south of Europe.

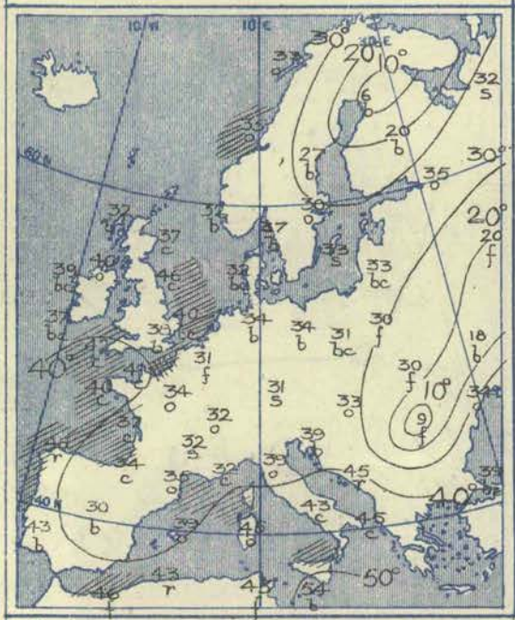
Temperature fallen over most parts of our area. Morning readings highest, 55° at Algiers, Palma, and Nemours, and 52° at Corunna. Lowest, 18° at Hermanstadt, 21° at Kiev, 24° or 25° in the north of Sweden, a little below or rather above 32° in most other regions, and 38° at Brindisi and Constantinople. Maxima during day not much above 40° over this country, and only 50° at Leghorn and Cagliari, but 57° at Nice, 58° at Palma, 61° at San Fernando, and 68° at Nemours.

Wind at 8 a.m. strong from North over the United Kingdom (blowing a gale on our north-west coasts) and all the most western coasts of the Continent, moderate from West to South-West or South over Germany, Russia, and Finland. A well-marked cyclonic circulation of strong winds or gales prevailing over Italy and its vicinity. Little change later except a decrease in force on our north-west coasts.

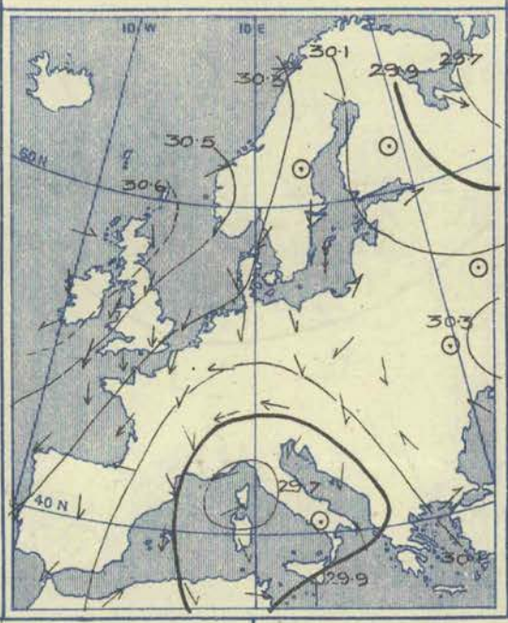
Barometer risen very quickly in Norway and Scotland. Readings at 8 a.m. ranging from above 30·4 ins. in an anticyclone extending over Ireland from the Atlantic to below 29·6 ins. in a depression over the Gulf of Genoa, and to below 29·1 ins. in a larger disturbance over the north of Finland. Anticyclone continuing to expand eastwards during the ensuing twenty-four hours and northern disturbance travelling eastwards. Depression in south undergoing considerable modification in form, but little in depth.

Tuesday, 21st February, 1905.

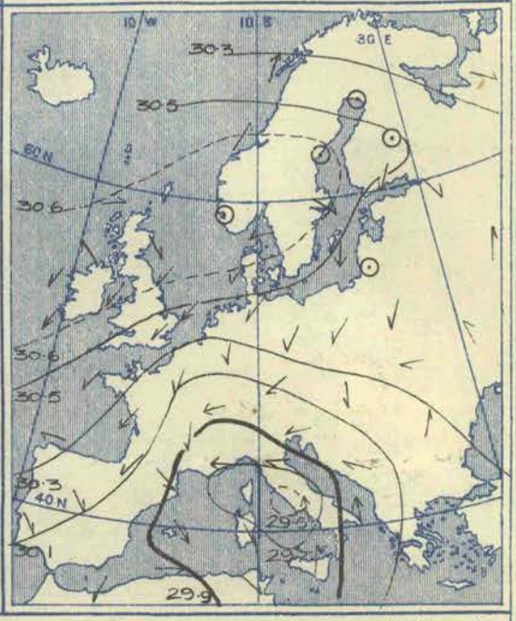
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast over Russia, central Europe, France, and Italy, with rain or snow in several places. Rain falling on the coast of Algeria and snow at Aumale. Fine and bright in most parts of Scandinavia, the United Kingdom, and the Iberian Peninsula. Heavy rain falling later over Algeria and Italy, and smaller quantities of rain or snow at some French stations—largest amounts, 1·2 in. at La Calle and 0·8 in. at Rome and Brindisi. Conditions remaining dry in other regions.

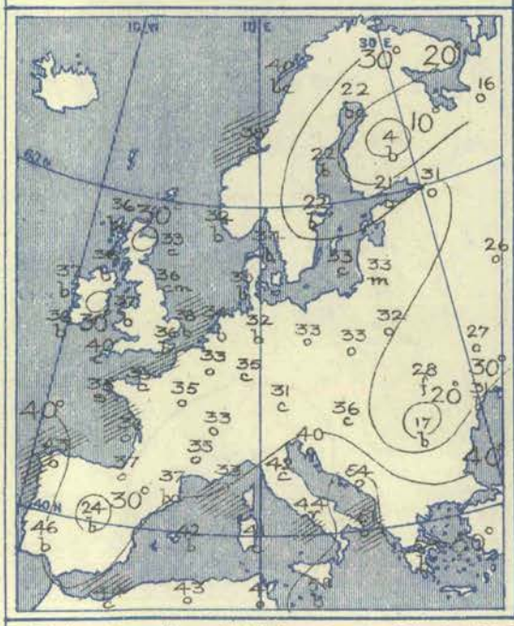
Temperature fallen except over England; several degrees in many extreme northern and southern localities. Morning values highest, 54° at Malta, 49° at Tunis, 48° at Corunna, 45° at Pesaro, and 42° at Scilly. Lowest, (1) 6° at Uleaborg, (2) 9° at Hermanstadt, 18° at Kiev, 20° at Moscow, (3) 31° or 32° in the north of Scotland, (4) 30° at Madrid, 32° in the centre and on the south-east coast of France, and 34° at Aumale. Maxima during day nearly all below 45° over our Islands, France, and Germany, and only 43° at Madrid. Thermometer rising to 61° at La Calle and Patras and to 57° at San Fernando. Minimum during night, 23° at Nairn and 25° at Parsonstown.

Wind in morning mainly Northerly over all the western countries, but Westerly in the north-west of Norway and at Stornoway; strong over England and the north of France. An extensive cyclonic circulation of varying strength prevailing over the Mediterranean region. Increasing in force over the latter district during day and continuing strong over England and the north of France—blowing a fresh gale at Dungeness.

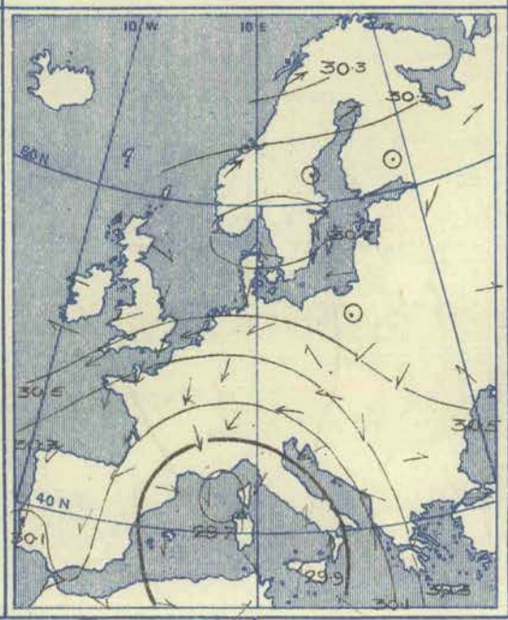
Barometer at 8 a.m. ranging from above 30·6 ins. in an anticyclone extending from the Atlantic over Ireland and Scotland, and from 30·2 ins. and upwards over the southern half of Russia, to 29·75 ins. at Archangel, and to below 29·7 ins. in two disturbances in the south—one over the Gulf of Genoa and the other near Tunis. Southern disturbances coalescing later and increasing in depth and northern anticyclone moving eastwards.

Wednesday, 22nd February, 1905.

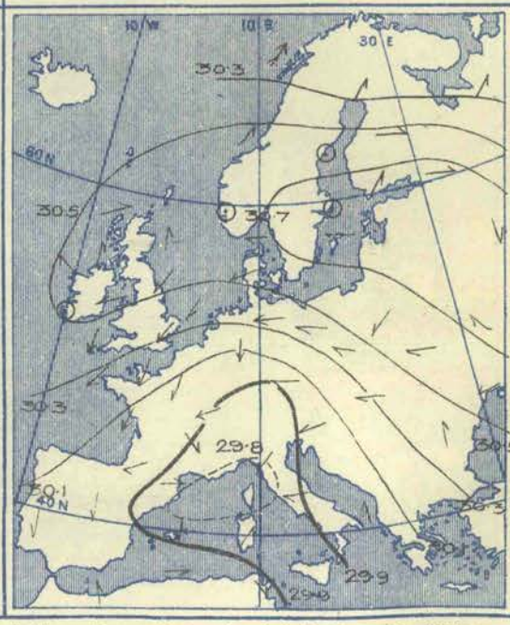
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in most parts of the Spanish Peninsula, the United Kingdom, and in several localities over northern Europe. Cloudy or overcast elsewhere, with snow at Brest and Turin and rain at Nice and Rome. Heavy rain later at some stations in the south of France, at Trieste, in various parts of Italy, and at Oran and Bilbao.

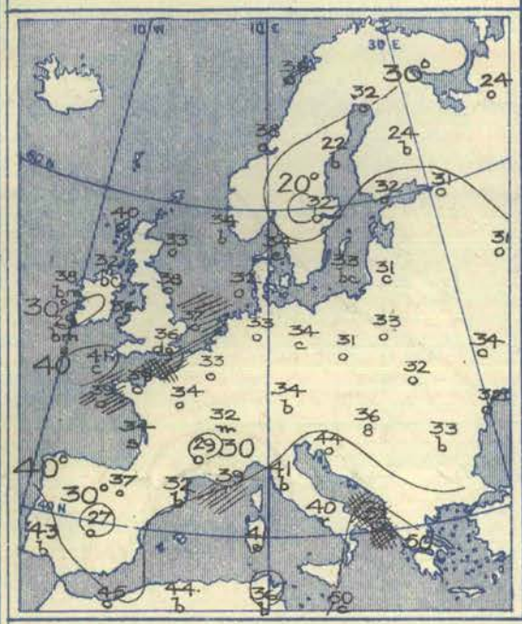
Temperature fallen generally, but risen over Italy and in various parts of central Europe. Morning readings highest, 58° at Malta, 54° at Lesina, and 53° at Athens. Lowest, (1) 4° at Kuopio, 16° at Archangel, 20° at Haparanda, 21° and 22° respectively at Karlstad and Stockholm, (2) 17° at Hermanstadt, (3) 24° at Madrid, (4) 24° at Nairn and 28° at Parsonstown. Maxima during day, 64° at Tunis, 63° at Malta, and a little above 50° at some other southern stations. Only 50° at Algiers and Cagliari, 49° at Rome, 46° at Madrid. Thermometer rising to a little above 40° over the United Kingdom. Severe frost in the central parts of Scotland and Ireland at night.

Wind at 8 a.m. anticyclonic in all the northern regions and cyclonic in the south. Light or moderate as a whole, but North-Easterly current blowing a strong breeze or moderate gale over the Netherlands, the south of England, and the greater part of France, and a moderate Easterly gale also prevailing over some parts of the Adriatic. Fresh or strong South-Westerly breezes reported in the north-west of Norway. Latter increasing to a fresh gale at Bodö by evening, and the North-Easterly wind blowing a fresh gale during day at Dungeness.

Barometer at 8 a.m. highest, 30·6 ins. to above 30·7 ins. in an extensive anticyclone centred over the south of Scandinavia and stretching from off our north-west coasts to Finland and Russia. Lowest, less than 29·7 ins. in the centre of a large depression of irregular form lying over the western portion of the Mediterranean. High pressure area travelling eastwards later, and depression in south spreading out northwards towards the Netherlands and our south-east coasts.

Thursday, 23rd February, 1905.

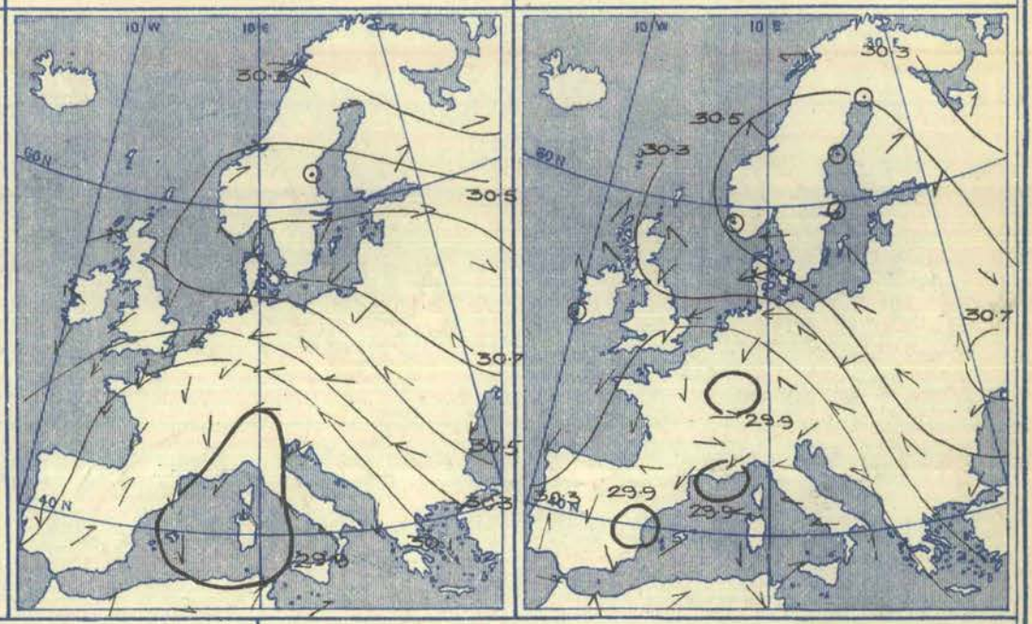
Temperature and Weather. 8 a.m.



Weather at 8 a.m. dry in all the more eastern and most of the northern regions and fine and bright in places. Very unsettled over the Mediterranean, Italy, France, the Netherlands, and our south eastern counties, with snow at Turin and Rochefort, and rain in some other localities. A little rain falling later at some of our own southern and eastern stations and larger quantities in France, Italy, and the north of Spain—largest amounts, 1·0 in. at Brindisi and 0·8 in. at Bilbao.

Temperature risen over Russia and its neighbourhood, fallen or changed irregularly elsewhere. Morning readings highest, 52° at Brindisi, 50° at Malta, 46° at La Calle and Palma. Lowest, (1) 18° at Karlstad, 22° at Hernösand, 24° at Kuopio and Archangel, (2) 23° at Nairn, 25° at Parsonstown, (3) 27° at Madrid, (4) between 30° and 36° over central Europe. Maxima during day below 40° in most parts of our Islands; only 46° at Rome and 42° at Madrid. Thermometer rising to 61° at Brindisi and 63° at La Calle. Another severe frost at night at Parsonstown and Nairn.

Barometer and Wind. 8 a.m. and 6 p.m.

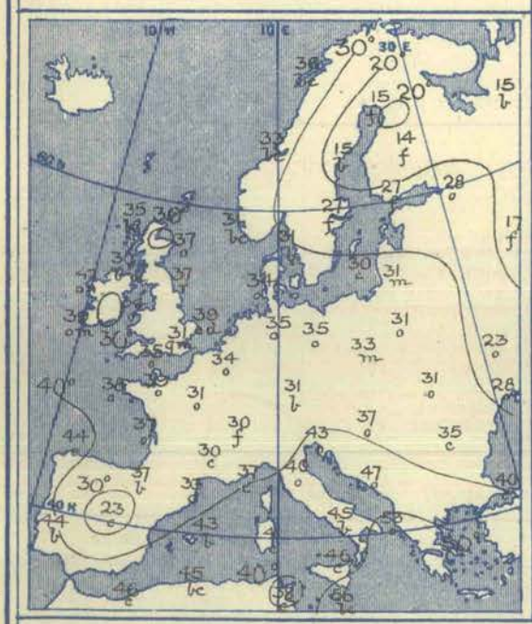


Wind still anticyclonic in the north and cyclonic in the south. North-Easterly current strong to a moderate gale over Denmark, the Netherlands, the south of England, and the north and north-west of France. Light or moderate elsewhere. A considerable decrease in force taking place by evening in the north of France and the south of England.

Barometer at 8 a.m. highest, 30·7 ins. to above 30·5 ins. in a large anticyclone extending from Russia to the east of Scotland. Lowest, 29·9 ins. and below in an irregularly shaped depression stretching from Munich to the Balearic Islands and Sardinia. Gradients rather steep over the central countries of the Continent, the Netherlands, and our own southern districts. Western portion of anticyclone giving way during day and the baric gradient becoming much reduced.

Friday, 24th February, 1905.

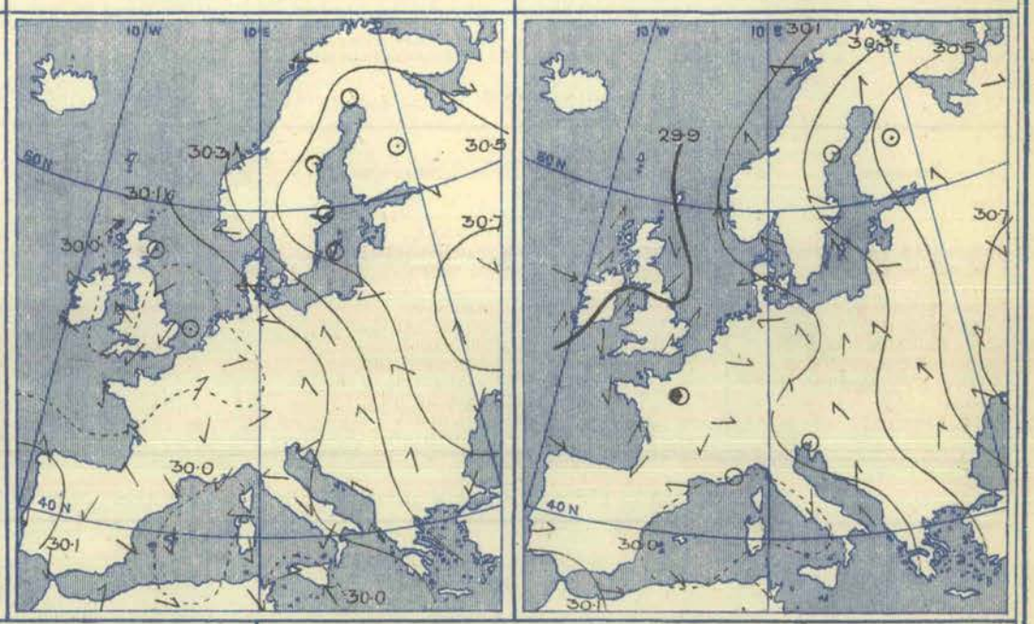
Temperature and Weather. 8 a.m.



Weather in morning fine and bright in Norway and in a few other localities, but cloudy or overcast generally. Gloomy and rainy in several parts of England, a thunderstorm prevailing at Sanguinaires, and rain at Frankfurt, Leghorn, and Oran. A black "high" fog subsequently developing in London and continuing during the morning. Slight rain experienced later in the north and west of our Islands and Germany, and heavy falls at Trieste and in Algeria.

Temperature fallen in Russia, changed irregularly elsewhere. Morning readings highest, 56° at Malta, 53° at Brindisi, 44° at Lisbon and Coruna, 42° at Blacksod Point. Lowest, (1) 15° at Archangel, Haparanda, and Hernösand, (2) 23° at Madrid, (3) 25° at Parsonstown, 28° at Nairn, (4) 30° at Belfort, Lyons, and Limoges. Rising during day to 63° at Tunis and Sfax, 60° at Brindisi and Cagliari, and to 55° at Lésina. Maxima low generally, less than 40° in most parts of our Islands and at Paris, and only 46° at Nice.

Barometer and Wind. 8 a.m. and 6 p.m.

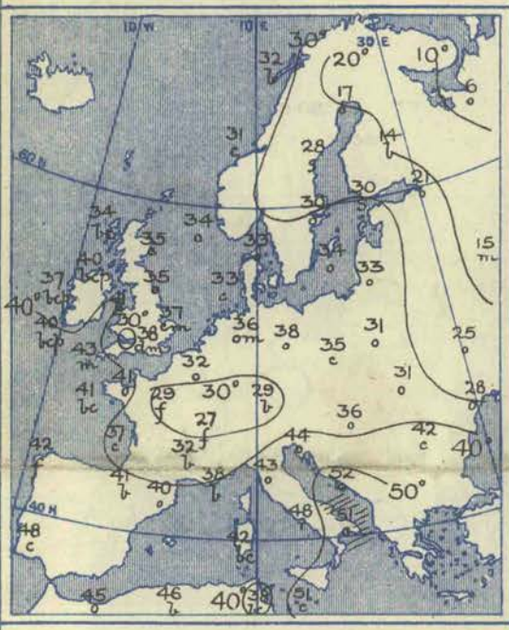


Wind at 8 a.m. light and irregularly cyclonic over the most western countries, strong to a gale from East over Denmark. Light anticyclonic breezes prevailing over Russia and its neighbourhood. Wind becoming very variable over these Islands and France, but a South-Westerly breeze tending to set in at most of our western stations. Easterly winds decreasing in force over Denmark, but not much change occurring elsewhere.

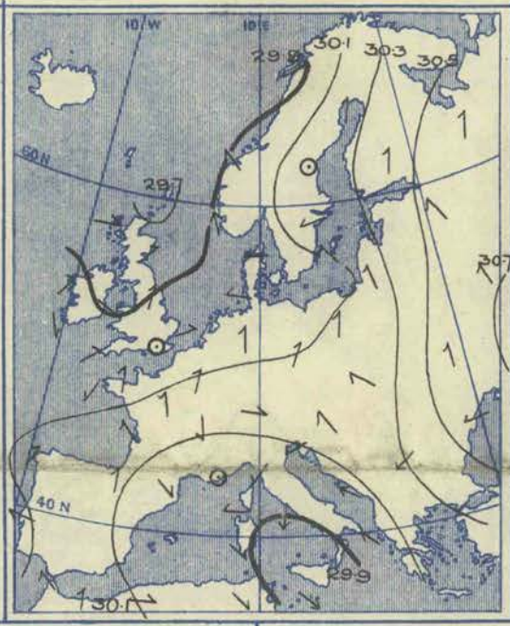
Barometer in morning ranging from above 30·7 ins. in an anticyclone centred over the southern half of Russia to below 30·0 ins. in an area of irregular form over England and the adjacent parts of the Continent and in some shallow depressions over the Mediterranean, and to below 29·9 ins. off the west of Ireland. Pressure decreasing rather decidedly during day in the north of Scotland and Norway, and slowly in Ireland and the west of England.

Saturday, 25th February, 1905.

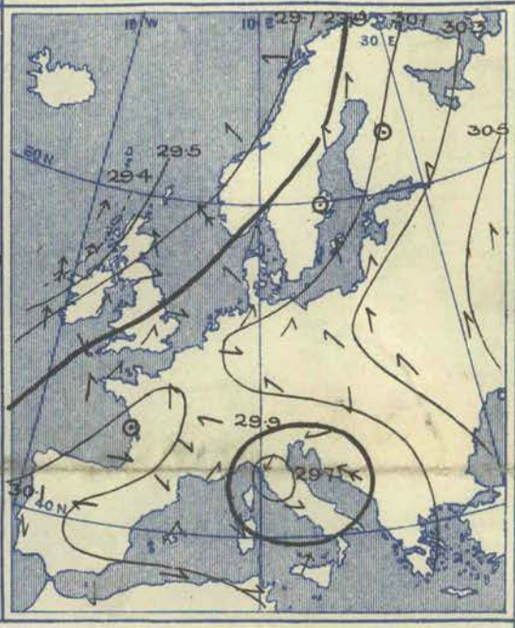
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or dull very generally. Snow falling at Wick, Hernösand, in the south of Finland, at Copenhagen, and Bilbao, and passing showers or steady rain in various parts of Ireland and England, and also at some Italian stations. Fog prevailing at Paris and Corunna. Rain very general over Italy later—1·1 in. at Pesaro—and also in nearly all parts of the United Kingdom—0·9 in. in the west of Ireland and 0·8 in. at Scilly. Lightning observed at Roche's Point.

Temperature changed rather irregularly. Morning readings highest, 52° at Lésina, 51° at Malta, 48° at Lisbon. Lowest, (1) 6° at Archangel, 14° at Knopio, 15° at Moscow, 17° at Kharkov, 21° at St. Petersburg, (2) 24° at Bath, 32° at Parsonstown, 33° at Nottingham, (3) 25° at Limoges, 29° at Paris. Rising subsequently to 66° at Patras, about 60° in Algeria, 57° at Lésina, 55° in Spain and Portugal, about 50° in the west and south of France, and to 49° in the south-west of Ireland.

Wind at 8 a.m. showing various partial or complete cyclonic circulations over the western half of our area, but no force stronger than a fresh breeze. Light and mainly Southerly over Russia. Increasing quickly to a Southerly to Westerly gale by evening or night on most of our west coasts, and also at Skudesnaes. Some increase of force taking place over Italy and the Mediterranean.

Barometer in morning ranging from above 30·7 ins. in the south-east of Russia to below 29·9 ins. over Sicily and its vicinity, and to less than 29·7 ins. off the north of Scotland. Several local irregularities of pressure shown over England and a shallow minimum over North Germany. A large and deep disturbance advancing very rapidly towards our north-west coasts during day, and the depression near Sicily travelling northwards and increasing in depth.

IV.—GENERAL NOTES.

At the commencement of the period a very deep depression in the far north was attended by a moderate to very strong gale from West to North-West over all the north-western countries and by strong South-Westerly to Southerly winds and gales in the north-eastern regions. As this disturbance moved eastwards an anticyclone spread quickly over our Islands from the Atlantic and caused the strong winds and gales to blow from the Northward. This system subsequently extended to Scandinavia, assumed a very elongated form, and eventually passed on slowly to Russia. No more depressions of any great depth appeared from the westward, but some rather deep and large systems that appeared over the western portion of the Mediterranean and the surrounding territory produced very rough weather in that region. One of these disturbances began to spread very gradually northwards about the middle of the week causing the wind in the Netherlands, the southern half of England, and the north of France to increase greatly in strength from the North-Eastward and to blow a gale in places.

The precipitation was slight in all the more northern countries, but in Italy and its neighbourhood the rough winds were accompanied by frequent rain, and at times by sleet or snow. Temperature did not differ very materially from its normal level except in these latter regions where it was low. Several very sharp frosts were experienced over central Spain.

At the end of the week the barometer was falling rapidly on our own north-west coasts and the wind increasing to a gale from between South and West over the United Kingdom generally.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 44.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	22·8	+ 6·1	34	+ 9	CROMER	22·5	—	32	—	BOGNOR	33·1	—	46	—
STRATHPEFFER SPA	33·0	+16·0	48	+ 23	LOWESTOFT	25·5	—	35	—	VENTNOR HOSPITAL	27·0	+ 3·5	38	+ 5
CRATHES	19·2	—	28	—	DUNMOW	30·8	—	43	—	BOURNEMOUTH	37·5	—	52	—
BALRUDDERY	18·3	—	26	—	SHEFFIELD	9·8	—	14	—	MARLBOROUGH	—	—	—	—
EDINBURGH	15·9	- 0·4	23	- 1	WORKSOP	12·8	- 4·2	18	- 6	SOUTHPORT	35·5	—	50	—
COCKLE PARK	20·5	—	29	—	THURCASTON	—	—	—	—	RHYL	26·3	—	37	—
NEWCASTLE-on-TYNE	10·0	—	14	—	MARGATE	21·8	+ 1·4	30	+ 2	ABERDOVEY	40·7	—	57	—
SALTBURN-by-the-SEA	? 14·9	—	? 21	—	BROADSTAIRS	27·0	—	38	—	TENBY	41·4	+ 18·0	57	+ 25
YORK	16·5	- 0·9	23	- 1	RAMSGATE	27·4	—	38	—	TORQUAY	36·4	+ 14·7	51	+ 21
SKEGNESS	24·0	—	34	—	EASTBOURNE	24·6	+ 2·8	34	+ 4	NEWQUAY	26·7	+ 3·9	37	+ 5
					BRIGHTON	27·5	+ 5·3	38	+ 7	GUERNSEY	17·1	- 8·3	24	- 11
					WORTHING	28·6	—	40	—					

ERRATA.—The values below must be substituted for those which have already appeared.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 1, page 2	Aberdeen	—	—	—	—	—	—	—	—	—	0·29	- 0·29	—	—	—	—
" "	Scarborough	—	—	48·0	—	42·6	+ 3·9	26	—	—	—	—	—	—	—	—
" "	Hereford	—	—	—	37·4	—	—	—	—	—	—	—	—	—	—	—
" "	Swarraton	—	—	45·5	—	—	—	—	27	—	—	—	—	—	—	—
" "	Tunbridge Wells	—	—	44·5	32·7	—	—	7	36	—	—	—	—	—	—	—
" "	Dungeness	—	—	—	—	—	—	—	—	—	0·44	- 0·01	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* } No. 9. NINTH WEEK, ENDING SATURDAY, MARCH 4TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 50.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	53	22	42·5	33·8	38·1	0 (average)	1	− 8	29	− 6	54	− 9	272	− 55
	1. SCOTLAND, EAST	53	16	43·8	32·4	38·0	0 (average)	5	− 7	34	− 3	84	+ 5	297	− 72
	2. ENGLAND, N.E.	53	28	44·5	33·5	38·8	1 below	7	− 7	30	− 2	92	+ 6	253	− 63
	3. ENGLAND, EAST	49	23	43·7	32·3	37·8	2 below	5	−12	34	− 1	84	−11	268	− 82
	4. MIDLAND COUNTIES	55	25	45·4	31·7	38·3	2 below	10	− 9	37	+ 3	110	− 2	281*	− 72
	5. ENGLAND, SOUTH	51	25	44·9	33·1	38·9	2 below	8	−12	32	+ 6	108	−24	222	− 48
Principal Grazing Districts.	6. SCOTLAND, WEST	52	29	45·4	35·3	40·2	0 (average)	10	− 2	25	− 2	111	+19	182	− 81
	7. ENGLAND, N.W.	54	25	44·7	33·7	39·0	2 below	8	− 6	30	+ 4	113	+14	191	− 67
	8. ENGLAND, S.W.	51	22	45·8	33·2	39·3	3 below	11	−10	32	+11	133	−25	174	− 27
	9. IRELAND, NORTH	53	29	46·2	34·8	40·3	1 below	12	− 6	27	+ 4	148	+14	156	− 68
	10. IRELAND SOUTH	58	25	47·5	34·8	40·9	2 below	15	− 9	27	+10	215	+21	119	− 52
	— CHANNEL ISLANDS	53	32	47·7	37·6	42·5	2 below	22	− 4	12	+ 4	240	+19	55	− 32

Rainfall.

	DISTRICTS. (See p. 50.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10	1 more	52	+ 9	12·7	+ 3·6
	1. SCOTLAND, EAST	5	6	1 more	33	− 1	2·9	− 2·4
	2. ENGLAND, N.E.	6	3	1 less	24	− 9	1·4	− 2·3
	3. ENGLAND, EAST	5	3	1 less	28	− 6	1·8	− 1·8
	4. MIDLAND COUNTIES	5	4	0 (average)	28	− 4	1·8	− 2·6
	5. ENGLAND, SOUTH	5	4	0 (average)	27	− 6	2·1	− 2·8
Principal Grazing Districts.	6. SCOTLAND, WEST	5	14	4 more	41	+ 3	8·1	− 1·9
	7. ENGLAND, N.W.	5	7	2 more	36	0	3·8	− 2·0
	8. ENGLAND, S.W.	5	8	1 more	31	− 6	3·4	− 3·8
	9. IRELAND, NORTH	6	12	6 more	46	+ 4	6·1	− 0·2
	10. IRELAND, SOUTH	5	7	1 less	38	− 2	5·0	− 2·9
	— CHANNEL ISLANDS	5	10	4 more	37	− 3	3·8	− 2·4

Bright Sunshine.

	DISTRICTS. (See p. 50.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	19	− 7	14	−10	85	− 11	16	− 2
	1. SCOTLAND, EAST	19	− 2	26	− 3	139	0	26	0
	2. ENGLAND, N.E.	15	− 9	20	−12	141	− 10	26	− 2
	3. ENGLAND, EAST	20	− 6	26	− 8	176	+ 32	31	+ 6
	4. MIDLAND COUNTIES	15	− 4	20	− 5	131	+ 16	23	+ 3
	5. ENGLAND, SOUTH	24	+ 1	32	+ 1	168	+ 30	29	+ 5
Principal Grazing Districts.	6. SCOTLAND, WEST	26	+10	35	+13	132	+ 23	24	+ 4
	7. ENGLAND, N.W.	25	+ 8	33	+11	129	+ 23	23	+ 4
	8. ENGLAND, S.W.	27	+ 5	36	+ 7	157	+ 17	27	+ 3
	9. IRELAND, NORTH	28	+ 8	38	+11	123	0	22	0
	10. IRELAND, SOUTH	29	+ 7	39	+ 9	141	− 2	25	− 1
	— CHANNEL ISLANDS	35	+ 7	46	+ 9	179	+ 7	31	+ 1

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was more unsettled over the Kingdom generally than that experienced of late, but there were again some fine and bright intervals, especially during the latter half of the week. Thunder and lightning, singly or in combination, occurred in the south-west of Ireland and in isolated parts of England and Wales on Sunday, and at one or two places in the south and east of England on Monday. Aurora was observed at several western and north-western stations on the night of the 2nd. In the western and northern districts the precipitation of the week was largely composed of sleet and hail.

Temperature just equalled the mean in Scotland, but was from 1° to 3° below it in Ireland and England. The highest of the maxima were recorded on March 4th, and varied from 58° in Ireland S. to 49° in England E. The lowest of the minima were registered on rather irregular dates, but at many stations they occurred during the early morning of the 4th. They ranged from 16° in Scotland E. (at Braemar on Friday) to 22° in Scotland N. and England S.W., and to 32° in the Channel Islands.

Rainfall was less than the mean in England N.E. and E. and in Ireland S., and just equal to it in the Midland Counties and England S.; in all other districts there was an excess. In Ireland N. the fall was just twice the mean amount.

Bright Sunshine was in excess in all the grazing districts and slightly so in England S., but elsewhere there was a deficit. The percentage of the possible duration ranged from 46 in the Channel Islands and 39 or 38 in Ireland to 20 in England N.E. and the Midland Counties, and to 14 in Scotland N.

Barometer and Wind. The winds and weather of the first four days of the period were dominated by a depression whose centre lay off the north-west of Scotland on Sunday morning. The system was at that time of great depth, but later in the week, as it moved southwards and south-eastwards directly over the north and east of these Islands, its intensity became much diminished. The approach of the disturbance gave rise to strong South-Westerly to Westerly winds or gales very generally, and on Monday and Tuesday, when its centre lay almost stationary over Scotland, fresh or strong Northerly and North-Westerly gales were experienced on our western and north-western coasts. The system was followed by an anticyclone which passed over the Kingdom from the north-westward, the resulting North-Easterly and Northerly winds blowing freshly or rather strongly over the east and south-east of England on Thursday and Friday. By the end of the week the type of pressure distribution had become south-westerly to westerly, but the cyclonic systems in our neighbourhood were of little energy.

3410 Wy. & S, Ltd.
370 3 | 05

II.—DATA from which the SUMMARY on page 49 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
Feb. 26–March 4, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.				
O. SCOTLAND, N.	Sumburgh Head	—	—	—	—	—	—	—	—	—	—	—	*	*	*	*
	Stornoway	48	33	44·6	35·4	39·9	+ 0·8	7	24	6	1·00	+ 0·13	12·4	− 7·3	17	− 10
	Wick	50	30	42·9	34·4	38·5	+ 0·1	3	26	5	0·41	− 0·08	*	*	*	*
	Lairg Ⓢ	53	32	43·5	32·9	38·0	+ 1·9	4	32	7	0·85	+ 0·15	*	*	*	*
	Glencarron Ⓢ	46	31	42·3	33·9	38·0	+ 0·6	1	28	6	1·50	− 0·12	*	*	*	*
	Fort Augustus Ⓢ	44	22	39·3	32·6	35·9	− 2·6	0	43	5	1·05	+ 0·21	7·3	− 6·5	10	− 9
1. SCOTLAND, E.	Nairn	53	24	44·6	31·1	37·7	− 0·9	7	39	6	0·30	− 0·08	*	*	*	*
	Aberdeen	51	29	44·6	33·0	38·6	− 0·3	7	32	6	0·94	+ 0·40	19·3	− 3·7	26	− 5
	Braemar Ⓢ	45	16	39·3	29·7	34·4	− 0·9	0	53	5	0·79	+ 0·17	*	*	*	*
	Clathick Ⓢ	49	25	44·4	32·3	38·2	− 0·4	7	35	5	0·81	+ 0·07	*	*	*	*
	Leith Ⓢ	53	33	46·9	35·6	41·1	+ 0·7	14	25	5	0·54	+ 0·19	*	*	*	*
	Marchmont Ⓢ	50	30	43·0	32·7	37·7	− 0·2	3	32	5	0·43	− 0·13	18·9	− 1·5	26	− 2
2. ENGLAND, N.E	Alnwick Castle	53	29	45·7	34·1	39·7	+ 0·8	10	29	6	0·36	− 0·18	*	*	*	*
	Durham	50	29	44·4	32·6	38·3	− 0·5	7	33	5	0·29	− 0·13	16·3	− 5·0	22	− 7
	Shields	51	32	44·4	33·7	38·9	− 0·9	7	30	5	0·24	− 0·14	*	*	*	*
	Scarborough Ⓜ	48	33	44·6	34·8	39·6	− 0·4	7	26	6	0·62	+ 0·18	9·5	—	13	—
	Spurn Head	45	33	43·4	34·7	38·9	− 0·7	4	25	5	0·26	− 0·04	*	*	*	*
	Lincoln	49	29	44·6	32·6	38·4	− 1·5	7	33	6	0·26	− 0·09	*	*	*	*
	Fulbeck	46	28	44·1	32·0	37·9	− 1·2	6	35	7	0·28	− 0·06	15·9	—	21	—
3. ENGLAND, E.	Hillington Ⓜ	46	25	44·7	30·9	37·6	− 2·2	8	39	6	0·58	+ 0·16	16·6	− 5·8	22	− 8
	Yarmouth	45	30	42·1	33·1	37·5	− 1·7	0	31	4	0·33	− 0·08	*	*	*	*
	Geldeston	47	25	44·2	31·8	37·8	− 2·3	6	36	5	0·31	− 0·05	20·8	− 3·4	28	− 5
	Cambridge	49	25	44·3	31·3	37·6	− 2·6	6	38	6	0·35	+ 0·02	16·2	− 7·2	22	− 10
	Felixstowe	46	23	43·6	32·3	37·8	− 2·2	4	34	4	0·26	—	28·1	—	38	—
	Clacton-on-Sea	45	28	43·1	33·9	38·4	− 1·9	3	28	3	0·15	—	23·3	—	31	—
	Rothamsted	46	24	44·0	31·2	37·4	− 2·1	6	38	6	0·59	− 0·04	15·5	− 6·8	21	− 9
	Shoeburyness	46	28	43·7	33·7	38·6	− 2·1	5	30	4	0·16	− 0·14	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	50	29	44·2	31·8	37·8	− 0·7	6	36	5	1·05	+ 0·50	14·6	—	20	—
	Bawtry (Hesley Hall)	50	28	45·1	31·9	38·3	− 1·7	9	36	5	0·32	− 0·05	*	*	*	*
	Nottingham	49	30	44·9	32·4	38·5	− 1·7	8	35	5	0·39	0·00	16·5	—	22	—
	Colly Weston (Stamford)	48	30	45·3	31·4	38·1	− 1·6	9	38	5	0·22	− 0·17	*	*	*	*
	Cheadle Ⓜ	52	29	43·6	30·9	37·1	− 1·6	4	39	6	0·49	− 0·05	*	*	*	*
	Birmingham (Edgbaston)	53	29	44·7	32·2	38·3	− 1·5	8	35	3	0·24	− 0·12	11·2	—	15	—
	Shrewsbury	47	25	47·6	32·4	39·8	− 0·9	16	36	5	0·29	—	*	*	*	*
	Hereford Ⓜ	50	27	45·9	31·1	38·3	− 2·3	11	39	4	0·43	− 0·01	*	*	*	*
	Cirencester	55	26	46·5	30·9	38·5	− 0·7	13	41	5	0·37	− 0·16	25·1	+ 2·4	34	+ 3
	Oxford	48	30	46·0	31·9	38·7	− 1·8	11	36	5	0·23	− 0·15	19·2	− 2·4	26	− 3
	Westminster	48	28	45·3	33·9	39·4	− 1·7	9	29	5	0·30	—	13·0	+ 1·2	17	+ 2
5. ENGLAND, S.	London (Brixton)	48	29	44·9	33·4	39·0	− 2·1	8	31	4	0·25	− 0·12	13·9‡	− 0·8‡	19‡	− 1‡
	Wisley (Surrey)	46	27	44·9	32·7	38·6	− 2·6	8	33	6	0·27	—	21·9	—	29	—
	Swarraton (Alresford) Ⓜ	47	25	44·4	30·9	37·5	− 2·0	7	39	6	0·55	0·00	*	*	*	*
	Tunbridge Wells Ⓜ	45	30	43·0	31·3	37·0	− 2·3	3	37	5	0·74	—	22·4	—	30	—
	Dungeness	46	26	44·4	33·9	39·0	− 1·6	7	29	6	0·47	+ 0·17	31·8	—	42	—
	Hastings (St. Leonards)	47	31	44·5	34·1	39·2	− 1·7	7	29	5	0·33	− 0·14	32·1	+ 5·9	43	+ 8
	Southampton	51	29	47·8	33·3	40·3	− 1·9	16	33	5	0·50	− 0·03	24·6	+ 0·2	33	0
	Portland Bill	49	35	46·3	36·1	41·1	− 2·0	12	23	4	0·30	—	*	*	*	*
	Shaftesbury Ⓜ	48	30	44·3	32·1	38·0	− 1·8	6	35	6	0·35	− 0·20	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	52	29	46·1	35·3	40·5	− 0·1	11	25	5	3·15	+ 1·65	*	*	*	*
	Glasgow	48	33	44·2	36·1	40·0	+ 0·7	6	21	5	0·64	− 0·03	20·8	+ 5·4	28	+ 7
	Cally Ⓢ	52	30	47·2	34·6	40·7	+ 0·9	15	28	5	1·23	+ 0·33	*	*	*	*
	Aspatria	50	31	44·1	34·3	39·1	− 0·7	6	28	6	0·93	—	20·4	—	28	—
	Douglas (Isle of Man)	51	29	45·4	36·1	40·6	− 0·5	10	22	5	0·89	+ 0·16	37·1	+ 14·1	50	+ 19
7. ENGLAND, N.W.	Newton Rigg	47	25	42·8	31·2	36·8	− 1·2	2	37	6	0·84	—	18·4	—	25	—
	Stonyhurst	46	28	42·7	32·8	37·6	− 1·9	2	32	5	1·28	+ 0·48	22·7	+ 3·0	31	+ 4
	Blackpool Ⓜ	48	25	45·0	32·8	38·7	− 1·7	8	33	4	0·78	+ 0·25	31·5	+ 11·7	43	+ 16
	Manchester (Prestwich)	47	28	43·0	33·1	37·9	− 1·7	3	31	6	1·08	+ 0·54	8·3	—	11	—
	Liverpool Obsy. (Bidston)	49	33	44·4	35·0	39·6	− 1·2	7	25	4	0·26	− 0·14	30·0	—	40	—
	Chester (Hawarden Bridge)	52	28	46·7	33·3	39·8	− 1·8	13	32	4	0·30	—	*	*	*	*
	Llandudno Ⓜ	51	30	45·5	35·4	40·3	− 2·2	10	25	4	0·45	− 0·04	30·0	+ 8·5	40	+ 11
	Holyhead	52	33	45·6	36·3	40·8	− 1·3	10	21	5	0·43	− 0·13	*	*	*	*
	Bettws-y-Coed	54	27	46·2	33·4	39·6	− 2·3	12	32	6	1·05	—	?29·6	—	?40	—
8. ENGLAND, S.W.	Llangammarch Wells	48	22	43·4	30·8	36·9	− 2·4	4	39	7	1·18	—	16·0	—	21	—
	Pembroke	48	34	45·6	37·4	41·4	− 1·1	10	18	5	0·77	+ 0·17	27·1	+ 2·1	36	+ 3
	Cardiff	49	28	46·9	31·5	39·0	− 3·0	14	39	5	0·53	—	*	*	*	*
	Clifton	48	31	46·2	33·8	39·8	− 1·9	12	30	5	0·72	+ 0·14	*	*	*	*
	Bath	48	24	46·3	30·3	38·1	− 3·4	12	43	6	0·54	+ 0·01	22·2	—	30	—
	Arlington (N. Devon)	47	29	44·4	32·6	38·3	− 2·4	7	33	6	1·28	+ 0·38	*	*	*	*
	Cullompton Ⓜ	51	26	46·6	31·7	38·9	− 3·2	13	38	5	0·66	+ 0·66	25·6	+ 2·8	34	+ 4
	Falmouth	51	35	45·9	36·5	41·1	− 3·0	11	21	5	1·13	+ 0·29	35·4	+ 9·0	47	+ 12
	Plymouth	50	30	47·1	34·5	40·6	− 2·7	14	28	5	0·48	− 0·15	34·4	+ 9·1	45	+ 12
9. IRELAND, N.	Malin Head	50	32	46·7	34·4	40·4	− 1·4	13	29	5	1·00	+ 0·50	*	*	*	*
	Edenfel (Omagh)	50	30	45·6	34·0	39·6	+ 0·3	10	29	7	0·87	+ 0·29	*	*	*	*
	Blacksod Point	49	34	45·9	37·0	41·3	− 1·9	11	19	6	1·62	+ 0·79	*	*	*	*
	Markree Castle	51	29	46·5	34·1	40·1	− 1·0	13	29	6	2·15	+ 1·48	24·3	+ 4·4	33	+ 6
	Armagh	52	31	46·4	34·9	40·5	− 0·1	12	27	6	0·74	+ 0·25	31·3	+ 11·7	42	+ 16
	Donaghadee	53	30	46·0	34·6	40·1	− 1·5	11	27	5	0·53	+ 0·03	*	*	*	*
10. IRELAND, S.	Dublin	55	30	46·8	35·5	41·0	− 1·8	13	25	5	0·41	− 0·06	34·6	+ 11·8	46	+ 16
	Birr Castle	51	30	46·1	32·0	38·8	− 2·5	11	36	5	0·62	+ 0·12	29·7	+ 8·7	40	+ 12
	Kilkenny	58	25	47·3	32·3	39·6	− 2·6	15	36	4	0·47	− 0·05	*	*	*	*
	Waterford	55	27	50·1	33·1	41·4	− 1·1	23	35	3	0·34	− 0·39	*	*	*	*
	Roche's Point	51	35	46·7	36·9	41·7	− 2·5	13	20	6	0·36	− 0·53	*	*	*	*
	Valencia	51	34	47·6	36·6	41·9	− 3·3	16	21	6	1·35	+ 0·30	23·2	− 1·2	31	− 2
	Killarney	58	33	48·1	35·7	41·7	− 1·9	17	25	6	0·91	− 0·09	*	*	*	*
	Foynes	52	30	46·9	36·1	41·3	− 1·9	14	23	6	0·77	+ 0·10	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	53	37	47·7	38·1	42·8	− 2·9	22	11	4	0·72	+ 0·15	35·9	+ 8·7	47	+ 11
	Jersey (St. Aubyn's)	51	32	47·6	37·0	42·1	− 1·7	22	14	5	1·20	+ 0·64	36·5	+ 7·2	48	+ 9

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

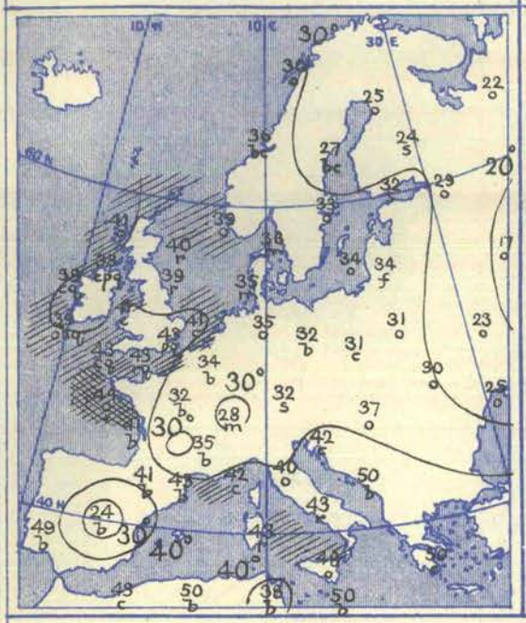
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 33 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

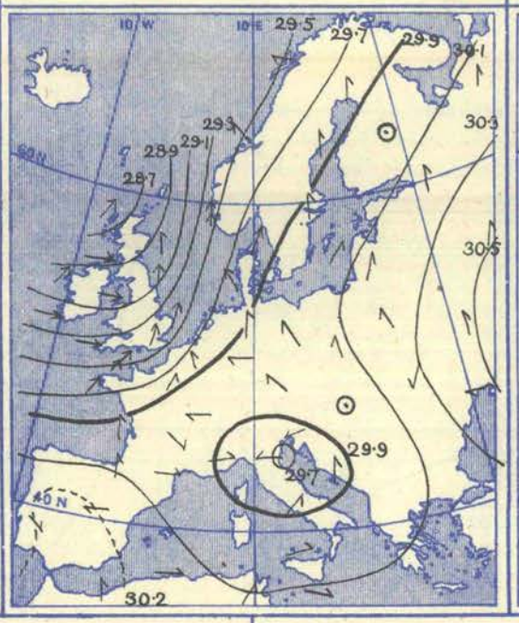
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 26th February, 1905.

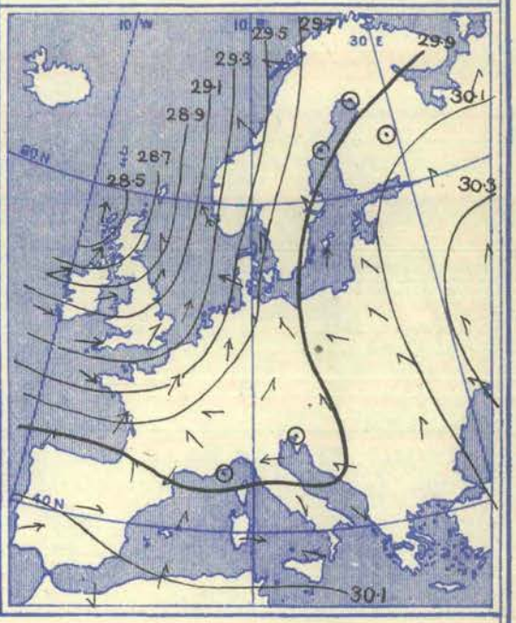
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the Spanish Peninsula and in several parts of France. Cloudy or overcast in almost all other regions, with rain at times over the United Kingdom and Brittany, and snow in Finland and at Karlstad. A considerable amount of rain falling later over our Islands, France, Italy, and the north of Spain. Some sleet and hail at our own western stations, accompanied by thunder and lightning at Valencia.

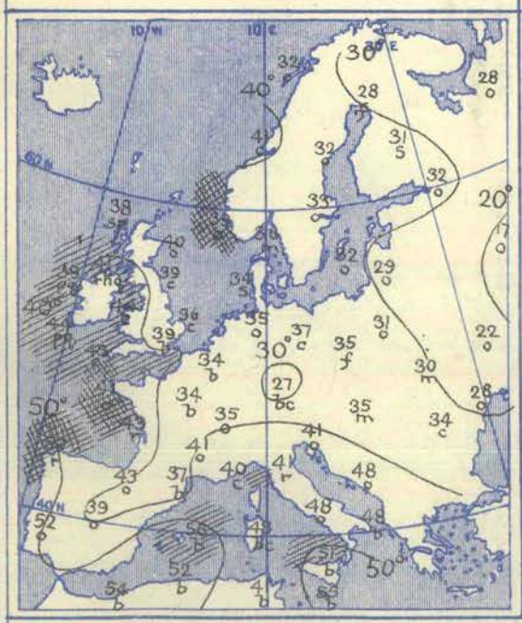
Temperature risen in most localities. Morning readings highest, 50° at Athens, Malta, Algiers, and Lesina. Lowest, (1) 17° at Moscow and Kharkov, below 30° over Russia generally and the north of Scandinavia, (2) 24° at Madrid, (3) 28° at Belfort and Limoges. Rising during day to 46° in various parts of our Islands, to 50° or above in most southern regions, 60° at Perpignan and Malta, and to 64° at Algiers and Sfax. Maximum only 47° at Palermo.

Wind in morning strong to a moderate gale from West at all our western stations and strong to a fresh gale from the Southward over the east and south-east coasts of Great Britain, the North Sea, and the south west of Norway. A separate cyclonic circulation of moderate winds prevailing over Italy and its vicinity. Force increasing to a fresh gale later on our north-west coasts and to a strong gale at Skudesnaes.

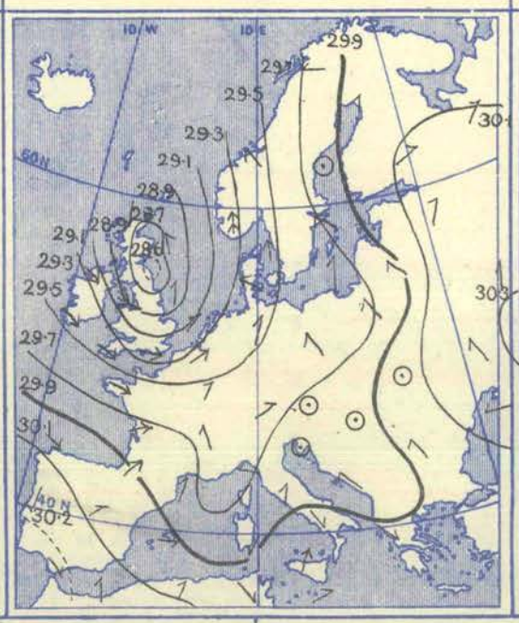
Barometer at 8 a.m. ranging from above 30·5 ins. over the centre and south of Russia to below 29·7 ins. in a depression centred over the north of Italy, and to less than 28·7 ins. in a large and deep system off the north-west of Scotland. Russian anticyclone giving way somewhat during day, Italian depression breaking into two parts, and that off our north-west coasts moving southwards. Gradients becoming steeper in our north-western districts.

Monday, 27th February, 1905.

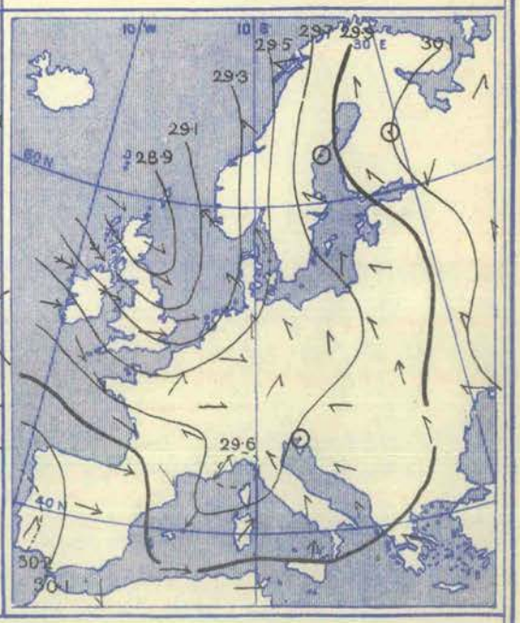
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast generally; very unsettled and squally over the United Kingdom and its vicinity, with rain in many places. Snow falling at Kuopio and on the coast of Jutland, and rain at Frankfurt, in the west of France, the north of Spain, and at Florence. Rain very general over southern Europe during day, and rain, sleet, or hail over our Islands—largest amount, 1·2 in. at Leghorn.

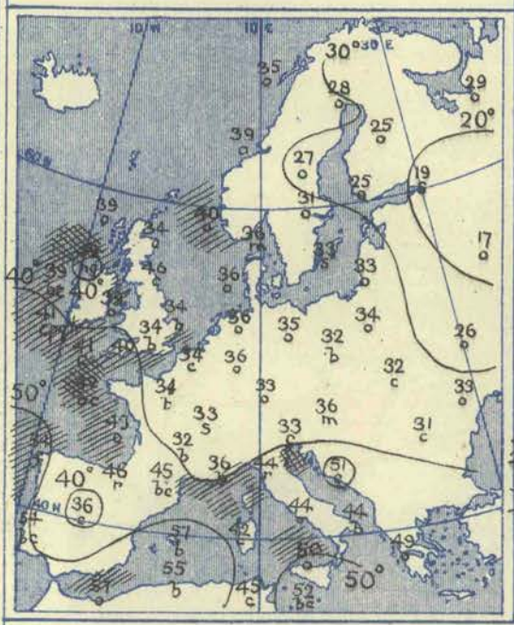
Temperature changed irregularly. Morning readings highest, 56° at Palma, 55° at Malta, 54° at Nemours. Lowest, (1) 17° at Moscow, 20° at Kharkov, 22° at Kiev, and 24° at Nicolaieff, (2) 27° at Munich, (3) 39° at Madrid. Rising during day to 48° in the south of our Islands, to about 50° in the south and west of France, a few degrees higher in Italy and Spain, to 59° at Trieste, 62° at Palermo, 66° at Nemours, and 68° at La Calle. Maximum only 41° at Gap and 37° at Belfort.

Wind at 8 a.m. showing a very extensive cyclonic circulation around Scotland. Northerly current blowing a strong gale at Malin Head; that from North-West or West strong to a gale on our west coasts generally, and the South-Easterly winds strong to a moderate or fresh gale on the eastern shores of the North Sea. Moderate to fresh or strong breezes chiefly from some Westerly point prevailing over the most southern regions. Not much change later over our Islands and their vicinity, but wind increasing to a gale over some of the western parts of the Mediterranean.

Barometer at 8 a.m. ranging from 30·4 ins. in the south-east of Russia to 29·7 ins. in an ill-defined secondary depression over the Gulf of Lions, and to 28·6 ins. and less in a deep system centred over the south of Scotland. Latter disturbance remaining almost stationary and becoming less deep during day, but the former increasing considerably in depth and moving eastwards. Gradients growing steeper in some southern regions and remaining nearly as steep as at 8 a.m. over our Islands.

Tuesday, 28th February, 1905.

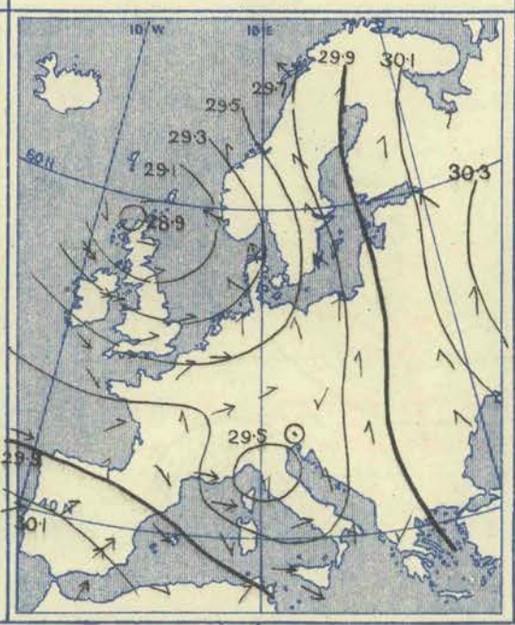
Temperature and Weather. 8 a.m.

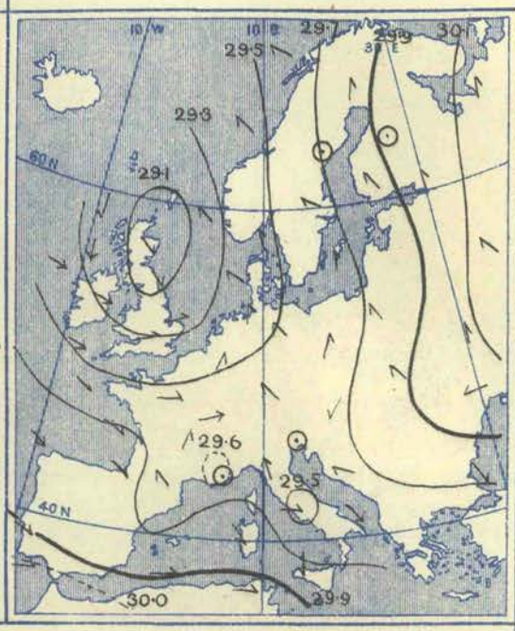


Weather at 8 a.m. fair or fine in a few localities, but cloudy or overcast and very unsettled over our area generally. Showers or steady rain falling in various parts of our Islands, the Spanish Peninsula and Italy, and snow at Belfort, Swinemünde, and in the south of Sweden, as well as at St. Petersburg. Precipitation very general later, but not heavy—largest amounts, 0·5 in. at Biarritz and 0·7 in. at Bilbao.

Temperature risen in Algeria, fallen in most other regions. Morning readings ranging from 57° at Palma and Nemours and 54° at Lisbon and Corunna, to below 40° over our area as a whole, to below 30° in the north-east, and to 17° at Moscow. Maxima during day, 66° at Algiers and Sfax, 59° at Brindisi, Cagliari, Palma, and Barcelona, and above 50° at many other southern stations, but only 47° at Rome and 46° at Florence. Highest temperature in our Islands, 47° at Malin Head, Scilly, and Oxford.

Barometer and Wind. 8 a.m. and 6 p.m.



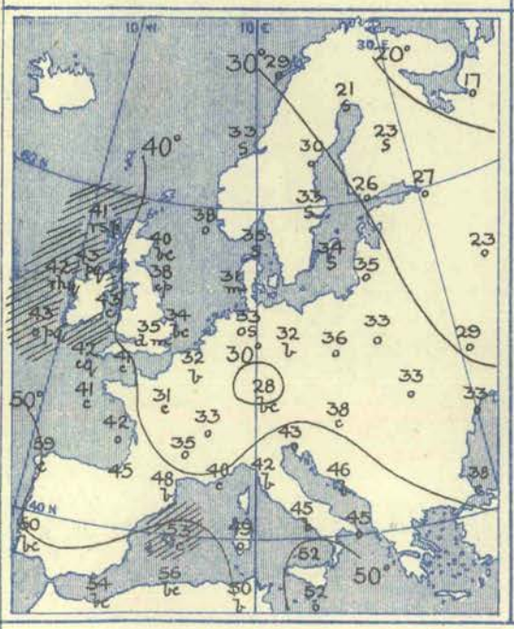


Wind at 8 a.m. showing two separate cyclonic circulations—one around the north of Italy and the other around the north of Scotland. North-Westerly wind blowing a gale on our north-west coasts, and a strong gale from South-East prevailing at Skudesnaes. Westerly current strong over some parts of the Mediterranean. Gales subsiding later, but no material change taking place in direction.

Barometer at 8 a.m. ranging from above 30·3 ins. over central Russia to below 29·5 ins. in a depression centred near Leghorn, and to less than 28·9 ins. in another system having its minimum near Nairn. Both disturbances travelling south-eastwards during day, and that in the north beginning to disperse. Barometer rising decidedly on our north-west coasts and gradients decreasing over our Islands generally.

Wednesday, 1st March, 1905.

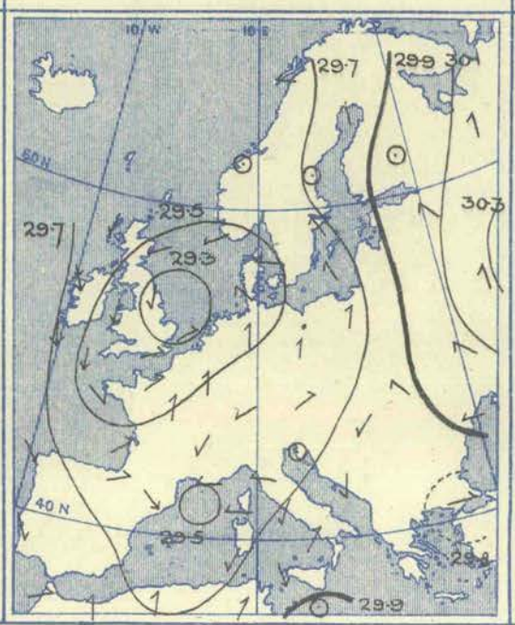
Temperature and Weather. 8 a.m.

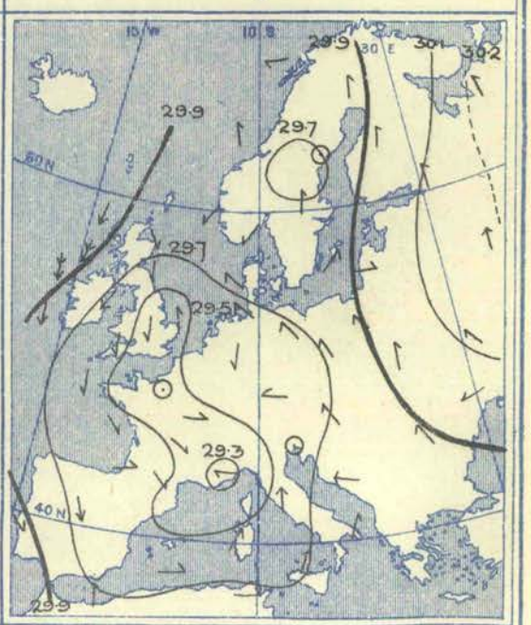


Weather at 8 a.m. fine and bright in Algeria and the greater part of Italy; cloudy or overcast as a whole. Showers of rain, sleet, or hail prevalent over the United Kingdom, rain in the south of France and Corsica, and snow over the south of Sweden, the Skager Rack, and at Cuxhaven. Rain falling later in nearly all parts of southern Europe—0·8 in. at Biarritz—and heavy snow at Turin. Showers of hail, sleet, or rain continuing over our Islands.

Temperature fallen in the extreme north of Europe, changed irregularly elsewhere. Morning readings ranging from 56° at Algiers and a little above 50° at a few other stations in the extreme south, to below 40° in almost all other regions, and to below 32° at Munich, in the north of Scandinavia, and almost all parts of Russia. Lowest values, 23° at Moscow, 21° at Haparanda, and 17° at Archangel. Rising to 48° at Portland and Bath during day, to between 50° and 60° at most stations in the extreme south of Europe, to 64° at Palermo, and to 68° at Oran. Maximum at Nice and Marseilles only 47°.

Barometer and Wind. 8 a.m. and 6 p.m.



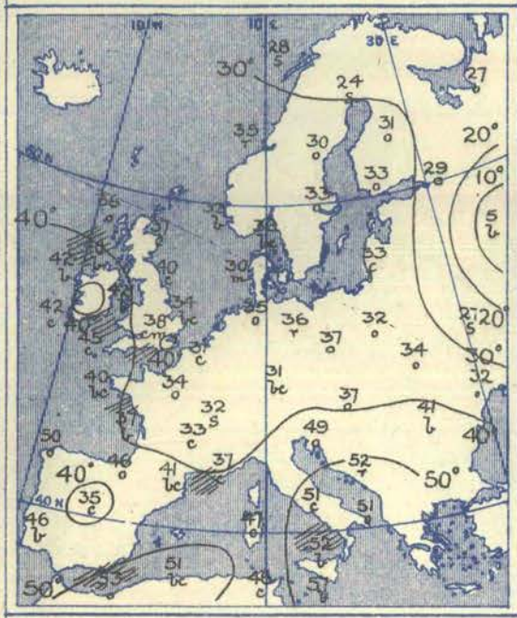


Wind in morning again showing two cyclonic circulations—one around the North Sea and the other over the western part of the Mediterranean. Northerly current fresh or strong over the western portion of our Islands generally and blowing a gale in the north of Ireland Not much force on the southern and eastern coasts. A moderate North-West gale prevailing at Barcelona and Palma. Northerly current extending to all parts of our Islands by night. Wind increasing in force over several parts of the Mediterranean.

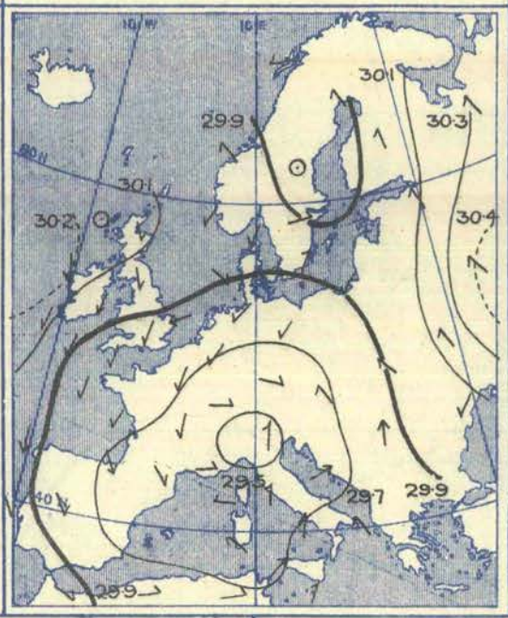
Barometer at 8 a.m. ranging from 30·3 ins. over central Russia to about 29·2 ins. in a depression having its centre off the coast of Yorkshire and to about 29·5 ins. in another disturbance off the south coast of France. Latter disturbance growing deeper during day, but that off our own coasts moving slowly southwards and decreasing in depth. An anticyclone spreading over our western and northern coasts from the Atlantic. Pressure decreasing somewhat over Russia.

Thursday, 2nd March, 1905.

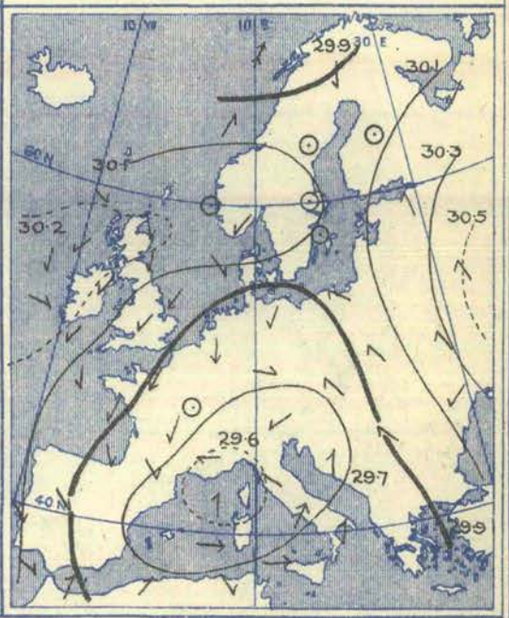
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Algeria, and fair at most of our own stations and at some of those over northern Europe. Rain falling at Lesina, Berlin, and Christiansund, and snow in the north of Scandinavia and at Kiev. Rather heavy rain fallen in many parts of southern Europe later, and snow or rain in several northern localities—largest quantity, 1·06 in. at Bilbao.

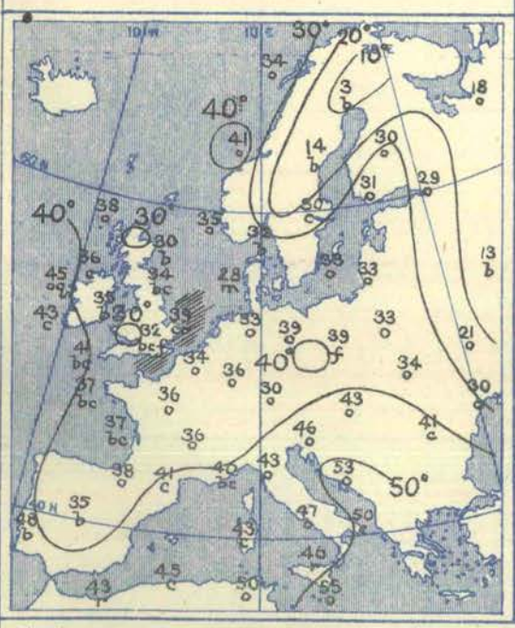
Temperature changed irregularly. Readings in morning highest, 57° at Malta and La Calle and 52° at Palermo and Lesina. Lowest, (1) 5° at Moscow, 14° at Kharkov, (2) 24° at Haparanda, 28° at Bodö, (3) 30° at Limoges, 31° at Munich, 32° at Belfort, (4) 33° at Parsonstown. Rising later to 49° at Roche's Point, to some degrees above 50° in the south of Europe, and to above 60° in places. Highest values, 68° at Palermo and 72° at Sfax.

Wind in morning circulating cyclonically, but with little strength over the southern and central countries. North-Easterly and Northerly current fresh or strong at some English stations. Very little change later as a whole, but a South-Westerly gale blowing in the far north-west of Norway by 6 p.m.

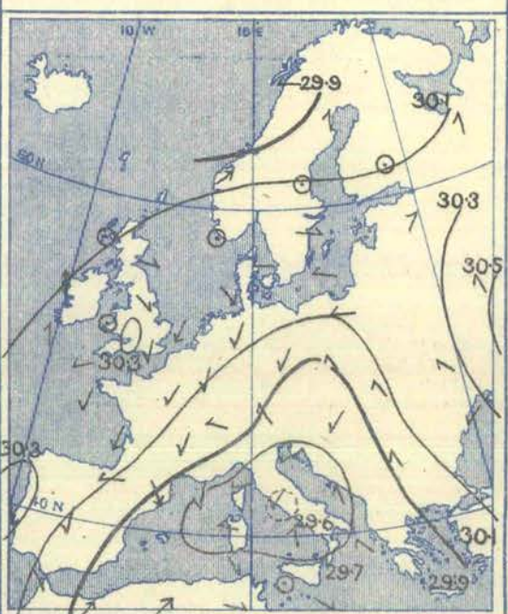
Barometer at 8 a.m. ranging from 30·46 ins. and upwards in central Russia and above 30·2 ins. off the west of Ireland and Scotland to below 29·9 ins. over the Gulf of Bothnia and its vicinity, and to less than 29·5 ins. in a depression centred over Lombardy. Atlantic anticyclone moving eastwards later, and depression in south moving southwards and becoming less deep. Very little change occurring in the general distribution of pressure.

Friday, 3rd March, 1905.

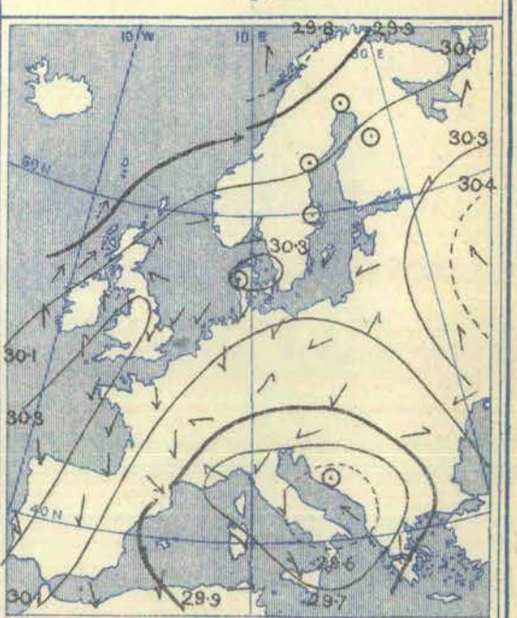
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in nearly all parts of the United Kingdom, Portugal, and Spain, but a thunderstorm reported at Bilbao. Cloudy or overcast over our area generally, with rain at Oran and Palermo. Heavy rain subsequently experienced in various parts of Algeria, Italy, and Austria, and smaller amounts on our own north and west coasts—largest quantity, 2·2 ins. at Lesina.

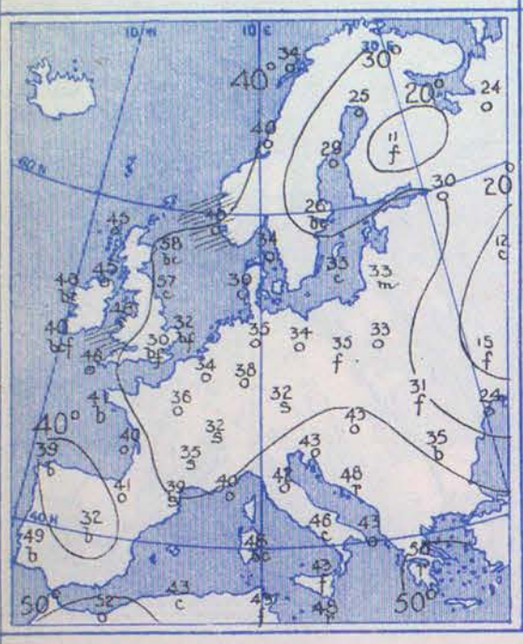
Temperature fallen in most regions—quickly in Sweden. Morning values highest, 55° at Malta, 53° at Lesina, and 48° at Lisbon. Lowest, (1) 3° at Haparanda and Kharkov, 13° at Moscow, (2) 26° at Nairn, 29° at Bath, 33° at Parsonstown, (3) 30° at Munich. Rising to 50° at some of our most western stations later and above it in several parts of southern Europe. Highest value, 65° at Malta. Thermometer only rising to 51° at Naples and Leghorn.

Wind in morning Southerly in Ireland, South-Westerly in the west of Norway, and Easterly at Bodö. North-Easterly over Denmark, the Netherlands, our southern counties, and France. An irregular cyclonic circulation prevailing over the western portion of the Mediterranean. Force light to moderate generally, but North-Easterly current fresh on our south-east coasts and in the north of France. Increasing from the Southward and South-Westward on all our west and north-west coasts later, and North-Easterly winds becoming moderate.

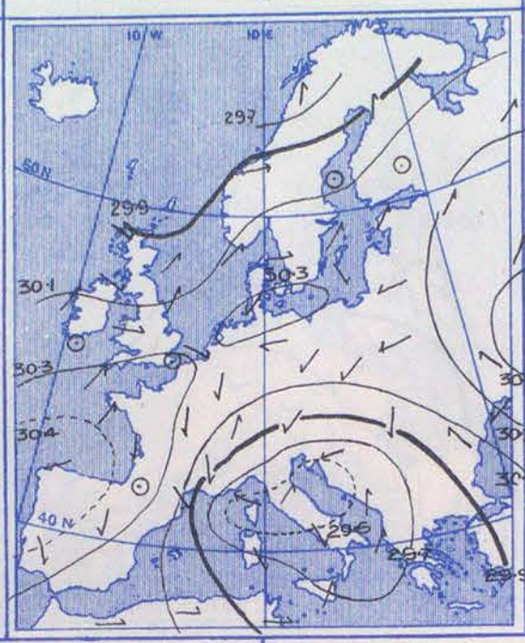
Barometer at 8 a.m. ranging from 30·5 ins. over central Russia and above 30·2 ins. in an anticyclone extending from the Atlantic to the south of Sweden, to about 29·8 ins. in a depression off the north-west of Norway, and to below 29·7 ins. in another system over Italy and its vicinity. A secondary disturbance of little depth skirting our north-west coasts later. Italian depression increasing in depth. Gradients increasing over our western districts and the east of Spain.

Saturday, 4th March, 1905.

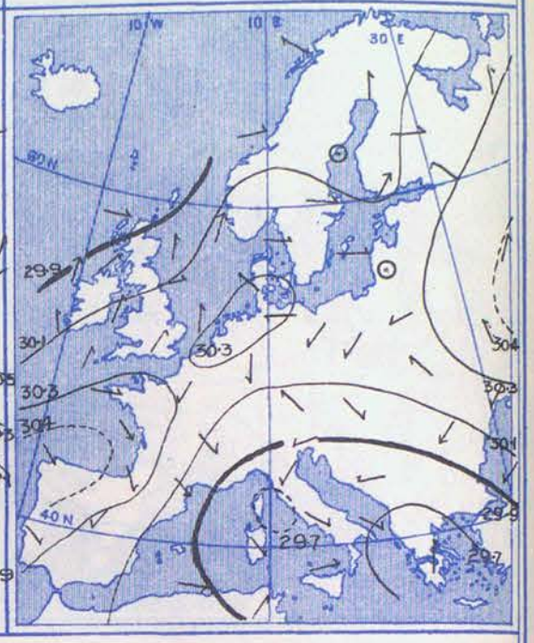
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or dull in almost all regions, with rain at several Italian stations and at Vienna, and snow at Munich and in the east of France. Slight rain falling in central England. Rain later in nearly all parts of the United Kingdom, Italy, Greece, and thunderstorms, rain, and hail at Algiers—largest fall, 1·2 in. at Brindisi and 0·8 in. at Patras.

Temperature fallen generally, but risen over our Islands and Scandinavia. Morning readings ranging from 56° at Athens and 54° at Oran, to below 40° over Europe generally, to below 20° in nearly all parts of Russia, and to −1° at Kharkov. Rising to about 50° during day on our west and south coasts, to a few degrees higher in most parts of southern Europe, and to 66° at Athens. Frost continuing all day in the north of Sweden and several Russian districts.

Wind at 8 a.m. showing a cyclonic circulation of light breezes to a moderate gale over Italy and its vicinity. Light or moderate from West, South-West, or South over the north-western and northern parts of our area. Backing towards South and increasing in force on our own western coasts later in day, but little change taking place elsewhere.

Barometer at 8 a.m. ranging from 30·5 ins. in the south of Russia and above 30·4 ins. over Portugal and the north-west of Spain to less than 29·7 ins. in the north of Norway, and to below 29·6 ins. in a depression centred over Italy. Barometer rising briskly in the north of Norway later, but another fall occurring over our Islands—most in the west. Italian depression maintaining its position with little modification in depth.

IV.—GENERAL NOTES.

During the earlier half of the period the barometer was highest over Russia and the extreme south-west of our area, while a deep depression which arrived off the west of Scotland on Sunday subsequently remained almost stationary over that country and finally moved away in a southerly or south-easterly direction and dispersed. The system was accompanied by strong South-Westerly winds or gales on our west and south-west coasts and afterwards by fresh or strong gales from the Northward and North-Westward in Ireland and the north-west of England. This disturbance was followed over our Islands by an anticyclone and Northerly to North-Easterly winds of considerable strength, but this system also took a southerly and south-easterly course and towards the end of the week a depression was advancing upon Lapland and a secondary skirting our own north-west coasts. Over southern Europe and the western half of the Mediterranean the weather was kept in an extremely unsettled and rainy condition during the whole week by depressions of various forms and depth which were centred over Italy or its neighbourhood. In many parts of our area precipitation was more common than during several of the weeks preceding, but it was scarcely ever heavy except on the shores of the Mediterranean or Adriatic. Temperature was rather higher than of late in the most southern districts, but showed little disposition to rise over Europe generally.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 50.

STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration.	Difference from the Mean for the Week.	STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	8·1	−11·2	11	− 16	CROMER	20·1	—	27	—	BOGNOR	32·7	—	44	—
STRATHPEFFER SPA	13·4	− 4·4	18	− 6	LOWESTOFT	28·3	—	38	—	VENTNOR HOSPITAL	30·1	+ 3·1	40	+ 4
CRATHES	19·2	—	26	—	DUNMOW	14·9	—	20	—	BOURNEMOUTH	32·7	—	44	—
BALRUDDERY	18·8	—	26	—	SHEFFIELD	12·3	—	16	—	MARLBOROUGH	14·5	− 5·1	19	− 7
EDINBURGH	17·1	− 0·9	23	− 1	WORKSOP	7·6	− 11·6	10	− 16	SOUTHPORT	28·1	—	38	—
COCKLE PARK	19·2	—	26	—	MARGATE	26·2	+ 3·2	35	+ 4	RHYL	35·2	—	47	—
NEWCASTLE-on-TYNE	9·1	—	12	—	BROADSTAIRS	—	—	—	—	ABERDOVEY	28·5	—	38	—
SALTBURN-by-the-SEA	15·1	—	20	—	RAMSGATE	31·1	—	42	—	TENBY	26·2	− 0·3	35	0
YORK	6·6	−12·8	9	− 17	EASTBOURNE	28·9	+ 2·7	39	+ 4	TORQUAY	38·4	+ 12·9	51	+ 17
SKEGNESS	19·7	—	26	—	BRIGHTON	27·7	+ 2·4	37	+ 3	NEWQUAY	29·1	+ 3·3	39	+ 4
					WORTHING	24·2	—	32	—	GUERNSEY	32·1	+ 3·8	42	+ 5

ERRATA.—The values below must be substituted for those which have already appeared.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees) Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 2, page 5	Cheadle	—	—	44·3	—	39·6	+ 3·1	—	—	—	—	—	—	—	—	—
" "	Stonyhurst	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 3, page 14	Hillington	40	—	37·8	—	32·9	− 4·0	—	64	—	0·94	− 0·02	—	—	—	—
" "	Tunbridge Wells	—	—	—	26·5	33·1	− 4·4	—	—	—	—	—	—	—	—	—
" "	Blackpool	—	—	—	28·3	33·3	− 5·0	—	61	—	—	—	—	—	—	—
" "	Llandudno	—	—	—	32·9	37·4	− 3·9	—	32	—	—	—	—	—	—	—

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. Vol. XXII. (New Series.) No. 10. TENTH WEEK, ENDING SATURDAY, MARCH 11TH, 1905. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 56.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	53	28	43·5	35·4	39·3	1 above	4	− 5	23	−11	58	−14	293*	− 68
	1. SCOTLAND, EAST	52	30	44·7	34·0	39·2	1 above	8	− 6	29	− 7	92	− 1	326	− 79
	2. ENGLAND, N.E.	55	31	48·4	36·0	42·0	2 above	18	+ 3	17	−14	110	+ 9	270	− 77
	3. ENGLAND, EAST	54	31	49·2	37·8	43·3	3 above	27	+ 7	12	−21	111	− 4	280	−103
	4. MIDLAND COUNTIES	58	33	49·4	36·5	42·7	2 above	28	+ 7	15	−18	138	+ 5	296	− 90
	5. ENGLAND, SOUTH	55	29	48·6	38·0	43·2	2 above	25	+ 4	11	−15	133	−20	233	− 63
Principal Grazing Districts.	6. SCOTLAND, WEST	51	32	46·5	36·5	41·4	1 above	13	0	22	− 5	124	+19	204	− 86
	7. ENGLAND, N.W.	54	31	47·8	37·7	42·6	2 above	22	+ 7	12	−13	135	+21	203	− 80
	8. ENGLAND, S.W.	55	29	49·7	38·2	43·8	2 above	29	+ 7	11	−10	162	−18	185	− 37
	9. IRELAND, NORTH	54	32	47·9	36·0	41·8	0 (average)	17	− 2	24	+ 1	165	+12	180	− 67
	10. IRELAND SOUTH	56	33	50·6	38·7	44·5	1 above	31	+ 6	9	− 8	246	+27	128	− 60
	— CHANNEL ISLANDS	53	35	50·6	42·0	46·2	1 above	29	+ 3	0	− 8	269	+22	55	− 40

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 56.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	19	10 more	59	+12	14·5*	+ 4·6	9	−10	12	−13	94	− 22	16	− 4
	1. SCOTLAND, EAST	7	10	5 more	40	+ 2	3·9	− 1·9	11	−11	15	−14	150	− 11	25	− 2
	2. ENGLAND, N.E.	5	4	0 (average)	29	+ 7	1·8	− 2·3	19	− 7	25	− 8	160	− 16	25	− 3
	3. ENGLAND, EAST	7	6	2 more	35	− 3	2·4	− 1·6	15	−12	18	−16	191	+ 20	30	+ 3
	4. MIDLAND COUNTIES	6	10	6 more	34	− 1	2·8	− 2·0	13	−12	17	−16	144	+ 3	22	+ 1
	5. ENGLAND, SOUTH	7	17	12 more	34	− 2	3·8	− 1·6	9	−16	11	−21	177	+ 14	27	+ 2
Principal Grazing Districts.	6. SCOTLAND, WEST	7	17	8 more	43	+ 6	9·8	− 1·1	17	− 2	22	− 2	149	+ 21	24	+ 3
	7. ENGLAND, N.W.	7	12	7 more	43	+ 4	5·0	− 1·3	16	− 4	21	− 5	145	+ 19	23	+ 3
	8. ENGLAND, S.W.	7	22	16 more	38	− 3	5·6	− 2·2	14	−12	18	−16	171	+ 5	26	+ 1
	9. IRELAND, NORTH	7	11	5 more	53	+ 7	7·2	+ 0·4	23	+ 1	29	+ 1	146	+ 1	23	0
	10. IRELAND, SOUTH	7	13	7 more	45	+ 1	6·3	− 2·3	25	0	32	0	166	− 3	26	0
	— CHANNEL ISLANDS	7	16	10 more	44	0	5·4	− 1·3	10	−20	13	−26	189	− 14	28	− 2

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather during this period was extremely unsettled, rough, and squally, with considerable or heavy falls of rain daily over the southern districts, and of rain, hail, or sleet in the north and north-west. Thunderstorms were experienced in several localities some time during the week, and lightning singly was observed in many others.

Temperature just equalled the mean in Ireland N., other districts showing an excess of from 1° to 3°. The highest of the maxima were recorded on very variable dates, and ranged from 58° in the Midland Counties and 56° in Ireland S. to 51° in Scotland W. The lowest of the minima were recorded early on Sunday morning in the centre and south-east of England, but some days later elsewhere. In Scotland N. the minimum was 28°, in England S. (at Dungeness on Sunday) the thermometer fell to 29°, and the same value is reported to have occurred at Plymouth on Friday. Elsewhere the minima ranged from 30° in Scotland E. to 33° in the Midland Counties and Ireland S., and to 35° in the Channel Islands.

Rainfall was much more than the mean except in England N.E. In England S. and S.W. the fall was more than three times the average, and more than twice as much over the Kingdom generally. Towards the end of the period falls of about an inch within twenty-four hours were numerous.

Bright Sunshine was very deficient except in Ireland and Scotland W. The percentage of the possible duration varied from between 32 and 29 in the Irish districts to 25 in England N.E., 12 in Scotland N., and to 11 in England S.

Barometer and Wind. Depressions, both primary and secondary, followed each other in rapid succession over our Islands or their immediate neighbourhood. Nearly all the systems were of considerable depth, and were accompanied by strong winds or gales between South and West or North-West. The gales were most severe, as a rule, in the west, but at the end of the period they were also very strong over the south of England.

3435 Wy. & S. Ltd.
370 3 | 05

II.—DATA from which the SUMMARY on page 55 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
March 5–11, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.				
O. SCOTLAND, N.	Sumburgh Head	46	35	43·7	36·7	40·1	+ 2·1	5	19	6	1·06	+ 0·39	*	*	*	*
	Stornoway	49	34	45·3	36·6	40·8	+ 1·6	9	20	7	1·93	+ 1·11	11·7	- 9·7	15	- 13
	Wick	46	31	43·4	35·9	39·5	+ 0·8	4	21	7	1·35	+ 0·88	*	*	*	*
	Lairg §	53	28	—	—	—	—	—	—	7	2·03	+ 1·33	*	*	*	*
	Glencarron §	46	32	43·4	33·6	38·4	+ 0·8	4	30	7	3·11	+ 1·55	*	*	*	*
	Fort Augustus §	47	32	41·7	34·0	37·7	- 1·2	0	30	6	1·60	+ 0·84	8·5	- 6·9	11	- 9
1. SCOTLAND, E.	Nairn	50	32	44·9	34·1	39·3	+ 0·3	8	28	7	1·38	+ 1·01	*	*	*	*
	Aberdeen	46	33	44·0	35·0	39·4	0·0	6	25	7	1·58	+ 1·05	10·4	- 14·6	14	- 19
	Braemar §	43	30	40·8	31·5	36·0	+ 0·3	0	42	6	0·71	+ 0·15	*	*	*	*
	Clathick §	50	31	45·6	33·6	39·4	+ 0·2	10	31	7	1·32	+ 0·64	*	*	*	*
	Leith §	52	35	48·0	37·0	42·3	+ 1·7	23	14	6	0·50	+ 0·18	*	*	*	*
	Marchmont §	48	30	44·6	32·9	38·6	+ 0·3	7	33	6	0·71	+ 0·16	13·1	- 8·8	17	- 11
2. ENGLAND, N.E	Alnwick Castle	53	33	47·5	35·5	41·3	+ 2·0	15	25	5	0·53	0·00	*	*	*	*
	Durham	52	34	47·7	35 2	41·3	+ 2·0	16	27	3	0·38	- 0·06	19·0	- 4·4	24	- 6
	Shields	52	33	49·0	34·7	41·6	+ 1·7	20	29	4	0·16	- 0·22	*	*	*	*
	Scarborough M	53	34	49·9	37·4	43·5	+ 3·1	30	13	4	0·16	- 0·27	24·5	—	31	—
	Spurn Head	55	35	48·1	36·7	42·2	+ 2·2	24	15	4	0·34	+ 0·05	*	*	*	*
	Lincoln	53	35	48·0	36·3	42·0	+ 1·5	17	16	5	0·49	+ 0·16	*	*	*	*
	Fulbeck	52	31	48·7	36·0	42·2	+ 2·4	27	17	7	0·57	+ 0·26	17·9	—	23	—
3. ENGLAND, E.	Hillington M	54	35	49·2	38·1	43·5	+ 3·0	27	11	6	0·83	+ 0·43	12·9	- 11·3	17	- 15
	Yarmouth	52	31	48·4	36·6	42·3	+ 2·7	25	15	7	0·49	+ 0·09	*	*	*	*
	Geldeston	53	35	50·3	38·1	44·0	+ 3·5	30	11	6	0·46	+ 0·11	17·1	- 9·5	22	- 12
	Cambridge	53	35	50·0	37·5	43·6	+ 2·8	30	13	7	0·50	+ 0·19	12·4	- 13·3	16	- 17
	Felixstowe	51	37	48·3	39·6	43·8	+ 3·3	23	7	6	0·49	—	18·9	—	24	—
	Clacton-on-Sea	50	32	47·9	37·3	42·4	+ 1·5	23	13	7	0·39	—	14·9	—	19	—
	Rothamsted	51	34	49·6	36·6	42·9	+ 2·8	29	15	7	1·16	+ 0·76	9·4	- 15·1	12	- 19
	Shoeburyness	51	33	49·9	38·6	44·1	+ 2·8	29	10	6	0·29	0·00	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	50	33	48·2	35·5	41·7	+ 2·6	17	26	6	0·70	+ 0·20	16·4	—	21	—
	Bawtry (Hesley Hall)	52	35	50·0	36·6	43·1	+ 2·6	30	15	5	0·36	0·00	*	*	*	*
	Nottingham	52	34	50·3	36·7	43·3	+ 2·5	31	15	7	0·67	+ 0·32	14·8	—	19	—
	Colly Weston (Stamford)	58	33	50·0	36·0	42·8	+ 2·5	31	17	7	0·82	+ 0·47	*	*	*	*
	Cheadle M	50	33	47·1	35·4	41·1	+ 1·8	14	26	7	1·58	+ 1·07	*	*	*	*
	Birmingham (Edgbaston)	50	34	47·2	37·1	42·0	+ 1·7	15	14	6	1·00	+ 0·65	12·3	—	16	—
	Shrewsbury	55	35	50·5	38·2	44·2	+ 3·1	31	11	7	0·98	—	*	*	*	*
	Hereford M	56	33	50·5	37·7	43·9	+ 2·7	31	12	6	1·40	+ 1·01	*	*	*	*
	Cirencester	52	33	49·4	35·5	42·2	+ 2·4	29	18	6	1·39	+ 1·22	10·6	- 13·8	13	- 18
	Oxford	53	34	50·4	36·0	43·0	+ 1·8	32	17	6	0·90	+ 0·55	9·8	- 14·0	12	- 18
	Westminster	52	29	50·7	37·0	43·7	+ 2·0	33	14	7	1·00	—	7·0	- 6·5	9	- 8
5. ENGLAND, S.	London (Brixton)	52	31	50·4	37·1	43·6	+ 2·0	32	14	7	1·02	+ 0·67	6·3‡	- 10·4‡	8‡	- 13‡
	Wisley (Surrey)	52	32	49·9	37·4	43·5	+ 1·7	30	13	7	1·08	—	5·3	—	7	—
	Swarraton (Alresford) M	52	31	48·4	36·1	42·1	+ 2·1	25	17	6	1·90	+ 1·40	*	*	*	*
	Tunbridge Wells M	49	34	48·0	37·3	42·5	+ 2·5	23	13	7	1·92	—	11·0	—	14	—
	Dungeness	49	29	47·7	37·1	42·2	+ 1·3	22	14	7	1·70	+ 1·38	10·4	—	13	—
	Hastings (St. Leonards)	50	35	47·8	39·9	43·7	+ 2·3	21	6	7	1·72	+ 1·27	10·9	- 17·8	14	- 23
	Southampton	55	36	50·7	40·0	45·2	+ 2·6	31	6	6	2·16	+ 1·68	7·6	- 19·0	10	- 24
	Portland Bill	49	38	47·6	41·0	44·2	+ 0·8	20	3	7	2·20	—	*	*	*	*
	Shaftesbury M	51	33	47·3	35·8	41·4	+ 1·2	15	24	7	1·43	+ 0·92	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	48	35	45·8	36·4	41·0	+ 0·1	11	22	7	3·08	+ 1·64	*	*	*	*
	Glasgow	49	33	46·0	36·0	40·9	+ 1·3	11	23	7	1·14	+ 0·54	10·6	- 6·7	14	- 9
	Cally §	49	32	47·5	36·0	41·6	+ 1·3	15	24	7	1·92	+ 1·08	*	*	*	*
	Aspatria	49	33	46·1	36·2	41·0	+ 1·0	11	22	7	1·00	—	10·7	—	14	—
	Douglas (Isle of Man)	51	35	47·1	37·7	42·3	+ 1·0	20	12	7	1·14	+ 0·48	30·1	+ 3·1	39	+ 4
7. ENGLAND, N.W.	Newton Rigg	49	31	45·9	34·2	39·9	+ 1·4	11	29	7	1·12	—	16·7	—	21	—
	Stonyhurst	48	34	45·7	36·4	40·9	+ 1·0	10	21	7	1·34	+ 0·56	16·8	- 4·9	22	- 6
	Blackpool M	49	36	46·4	37·6	41·9	+ 1·2	12	18	6	1·12	+ 0·61	20·1	- 1·7	26	- 2
	Manchester (Prestwich)	50	35	47·3	36·6	41·8	+ 1·7	15	22	7	0·93	+ 0·38	15·2	—	19	—
	Liverpool Obsy. (Bidston)	50	36	48·4	38·6	43·4	+ 2·1	24	10	7	0·95	+ 0·57	17·1	—	22	—
	Chester (Hawarden Bridge)	54	36	51·0	39·2	44·9	+ 3·1	32	8	6	0·80	—	*	*	*	*
	Llandudno M	51	36	48·7	37·9	43·1	+ 0·4	25	11	6	0·89	+ 0·43	17·3	- 5·7	22	- 7
	Holyhead	51	38	47·4	40·1	43·6	+ 1·2	19	5	7	1·08	+ 0·56	*	*	*	*
	Bettws-y-Coed	54	35	49·2	38·4	43·6	+ 1·5	26	10	7	2·42	—	12·5	—	16	—
8. ENGLAND, S.W.	Llangammarch Wells	51	33	48·4	36·6	42·3	+ 2·5	25	15	7	2·48	—	10·6	—	13	—
	Pembroke	50	40	48·1	42·6	45·3	+ 2·7	23	0	7	1·31	+ 0·76	22·6	- 5·8	29	- 7
	Cardiff	52	32	49·8	36·9	43·2	+ 0·6	30	14	7	2·33	—	*	*	*	*
	Clifton	51	? 33	49·9	38·3	43·9	+ 1·8	29	10	6	1·36	+ 1·33	*	*	*	*
	Bath	52	31	50·7	35·4	42·8	+ 1·1	33	18	6	1·21	+ 0·71	9·5	—	12	—
	Arlington (N. Devon)	50	33	47·9	36·4	42·0	+ 1·2	17	16	7	3·32	+ 2·49	*	*	*	*
	Cullompton M	55	31	51·1	36·4	43·5	+ 0·8	34	16	6	1·85	+ 1·29	11·2	- 14·2	14	- 18
	Falmouth	54	37	51·1	41·2	46·0	+ 1·7	31	2	7	3·02	+ 2·25	16·0	- 12·8	20	- 16
	Plymouth	54	29	50·6	39·9	45·1	+ 1·5	31	6	7	2·25	+ 1·65	12·1	- 15·8	15	- 20
9. IRELAND, N.	Malin Head	49	32	47·0	35·6	41·1	- 0·9	14	25	7	0·49	—	*	*	*	*
	Edenfel (Omagh)	50	32	46·6	35·3	40·8	+ 1·0	13	26	7	1·39	+ 0·82	*	*	*	*
	Blacksod Point	50	35	48·1	39·3	43·6	+ 0·3	23	8	7	1·66	+ 0·84	*	*	*	*
	Markree Castle	52	32	48·4	35·3	41·7	+ 0·2	18	27	7	1·36	+ 0·70	20·9	- 0·7	27	- 1
	Armagh	54	32	48·9	35·3	41·9	+ 1·1	19	27	7	0·89	+ 0·43	24·2	+ 2·9	31	+ 4
	Donaghadee	52	32	48·1	35·4	41·6	- 0·3	17	26	7	0·67	+ 0·21	*	*	*	*
10. IRELAND, S.	Dublin	54	35	51·2	37·4	44·1	+ 1·1	34	13	6	0·56	+ 0·10	28·1	+ 2·8	36	+ 4
	Birr Castle	54	33	49·6	36·4	42·8	+ 1·2	29	16	7	1·14	+ 0·65	26·6	+ 3·5	34	+ 5
	Kilkenny	54	33	50·1	37·9	43·8	+ 1·3	30	11	7	1·05	+ 0·58	*	*	*	*
	Waterford	54	33	51·0	39·0	44·8	+ 2·2	32	8	7	1·22	+ 0·56	*	*	*	*
	Roche's Point	54	35	50·6	40·6	45·5	+ 1·2	30	4	7	1·42	+ 0·61	*	*	*	*
	Valencia	54	36	50·6	39·9	45·1	- 0·2	31	6	7	1·78	+ 0·82	21·1	- 6·1	27	- 8
	Killarney	56	34	51·9	39·2	45·4	+ 1·3	36	8	7	2·16	+ 1·25	*	*	*	*
	Foynes	54	34	50·0	39·0	44·3	+ 1·0	29	8	7	1·23	+ 0·60	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	53	41	51·0	43·0	46·9	+ 1·1	34	0	6	1·73	+ 1·19	23·6	- 5·8	30	- 7
	Jersey (St. Aubyn's)	52	35	50·1	40·9	45·4	+ 1·2	28	3	7	1·42	+ 0·88	3·3	- 28·5	4	- 36

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked § is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

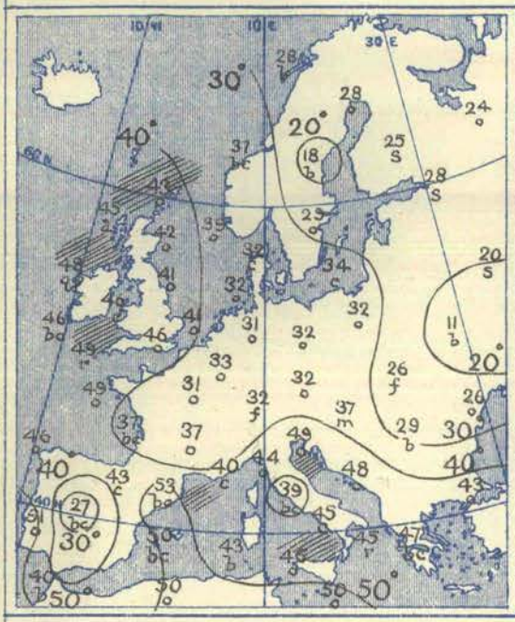
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

Note.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 5th March, 1905.

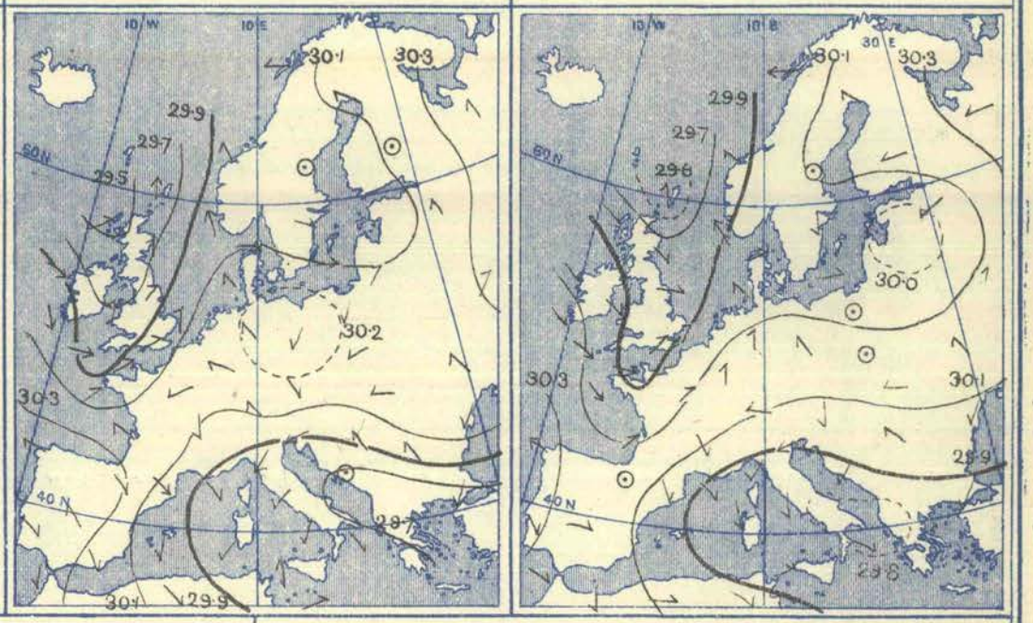
Temperature and Weather. 8 a.m.



Weather at 8 a.m. cloudy or overcast as a whole, with showers or steady rain in several parts of our Islands and at Brindisi, and snow at Kuopio, St. Petersburg, and Moscow. Sky nearly clear at some Scandinavian and Spanish stations, as well as in the south of Ireland. Rain becoming very general later over the United Kingdom and the west of France; not large in quantity, as a rule, but 1·1 in. at Lorient. 0·6 in. also falling at Brindisi and 0·8 in. at La Calle.

Temperature risen over England and in a few localities on the Continent, but fallen generally. Morning values highest, 53° at Barcelona, 51° at Lisbon, and 50° at Algiers and Malta. Lowest, (1) 0° (zero) at Kharkov, 11° at Kiev, 20° at Moscow, (2) 18° at Hernösand, (3) 27° at Madrid, (4) 31° at Paris. Maxima during day, 63° at Oran, above 50° in the south generally, and 50° at some of our own western stations. Thermometer only rising to 43° at Aumale.

Barometer and Wind. 8 a.m. and 6 p.m.

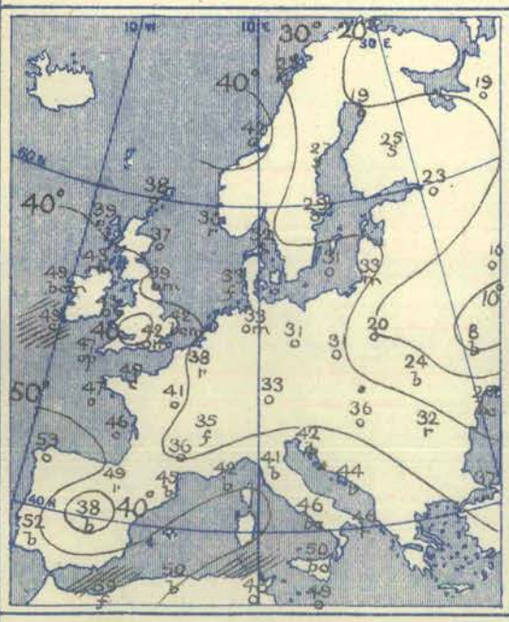


Wind at 8 a.m. fresh or strong from North-West over Ireland, Westerly at Scilly, and light or moderate from the Southward over Brittany, Great Britain, and on the southern and eastern shores of the North Sea. An extensive but irregular cyclonic circulation prevailing over the Mediterranean and its neighbourhood, the North-Easterly current blowing a moderate gale at Trieste. Northerly winds extending to all parts of our Islands during the ensuing twenty-four hours, and Southerly current increasing to a gale on the south-west coast of Norway.

Barometer at 8 a.m. highest, 30·2 ins. to 30·4 ins. and upwards in a high pressure band extending from the Iberian Peninsula to Germany and thence to the south of Russia. Lowest, 29·5 ins. and less in a large "V" shaped depression having its minimum off the north of Scotland. Below 29·7 ins. in a large and ill-defined disturbance over the Balkan Peninsula. Pressure giving way later within the anticyclonic band. "V" depression travelling eastwards, and a shallow minimum forming over the Gulf of Finland and the Baltic Provinces.

Monday, 6th March, 1905.

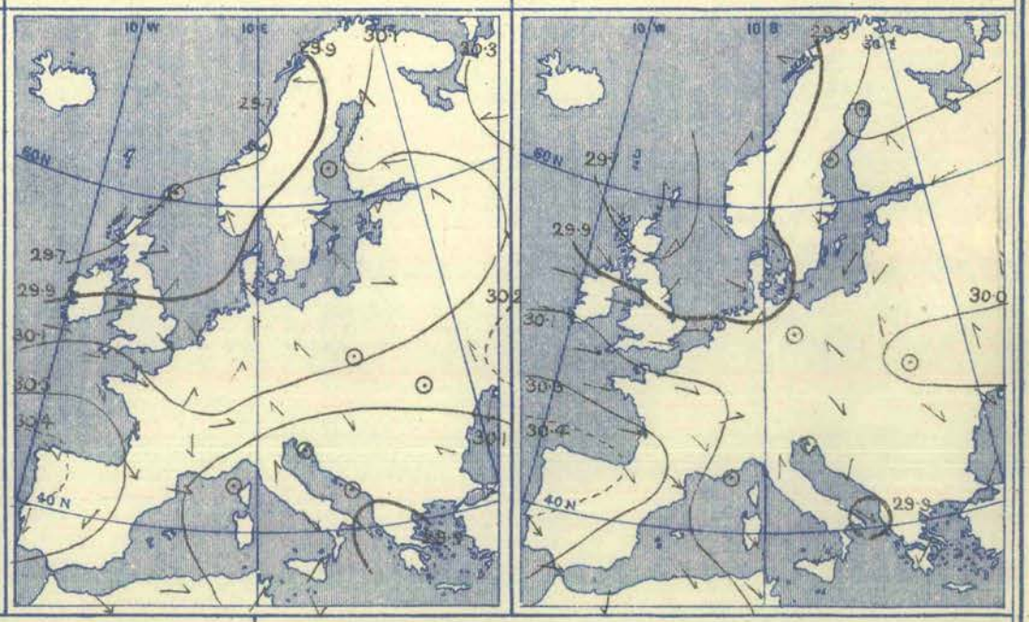
Temperature and Weather. 8 a.m.



Weather at 8 a.m. fine and bright in a few parts of southern Europe; cloudy or overcast over our area as a whole, with snow in Sweden and Finland, rain at Skudesnaes, on our western coasts, over the Netherlands, the south-west of France, at Brindisi, Hermanstadt, and Constantinople. Slight snow in Germany later and a little rain in nearly all parts of the United Kingdom, France, and the Netherlands. An inch of rain falling at La Calle.

Temperature showing no decided change. Morning values highest, 59° at Nemours, 58° at Corunna, 56° at Palermo, and 49° on the west coast of Ireland. Lowest, (1) 2° at Kharkov, 8° at Kiev, 16° at Moscow, 19° at Archangel and Haparanda, (2) a little above 32° in most parts of central Europe, (3) 38° at Madrid. Rising later to 54° at Roche's Point and Parsonstown, to 59° at Lisbon, Nice, and Patras, 61° at Cagliari, and 64° at Sfax and some Algerian stations. Frost continuing all day in Sweden and Russia.

Barometer and Wind. 8 a.m. and 6 p.m.

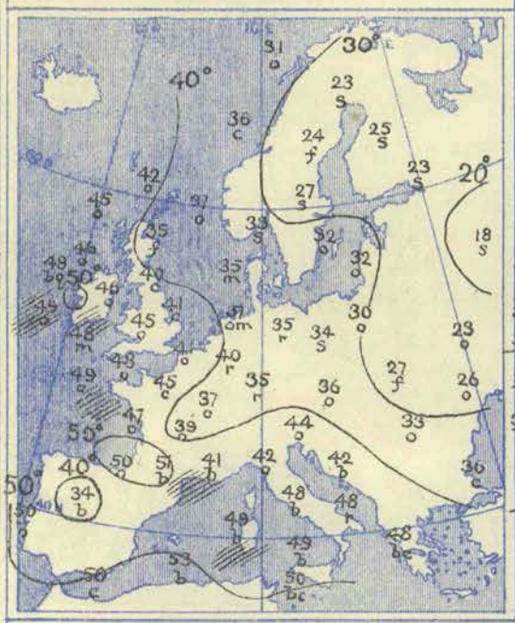


Wind light anticyclonic over the Spanish Peninsula and the south of Russia; cyclonic over our area generally. Of little strength as a whole, but fresh on parts of our own southern coasts and blowing a moderate gale from South-West at Malin Head. No great change taking place later. Wind veering from the South-Westward to Westward on our own west coasts and moderating in the north of Ireland.

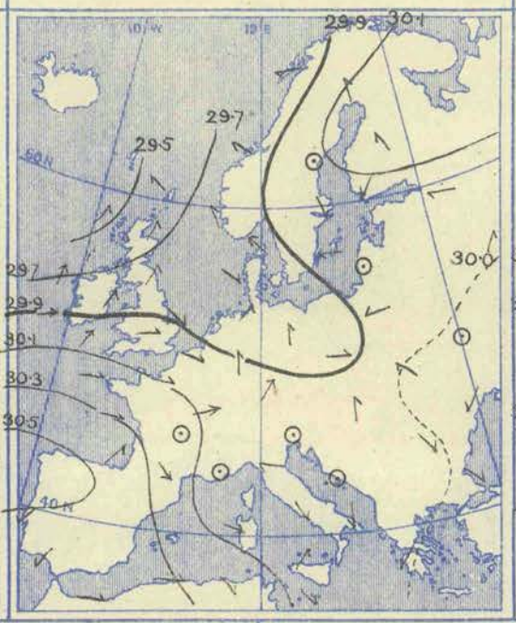
Barometer at 8 a.m. ranging from above 30·3 ins. over the greater part of the Spanish Peninsula, above 30·1 ins. in a narrow band extending across France and central Europe, and above 30·3 ins. in the north of Russia, to below 29·9 ins. over the southern part of the Adriatic and the Ionian Sea, and to 29·7 ins. and less off the north-west and north of our Islands. Pressure giving way over Russia and central Europe during day and increasing over France. Northern depression moving slowly eastwards and barometer rising on our western coasts.

Tuesday, 7th March, 1905.

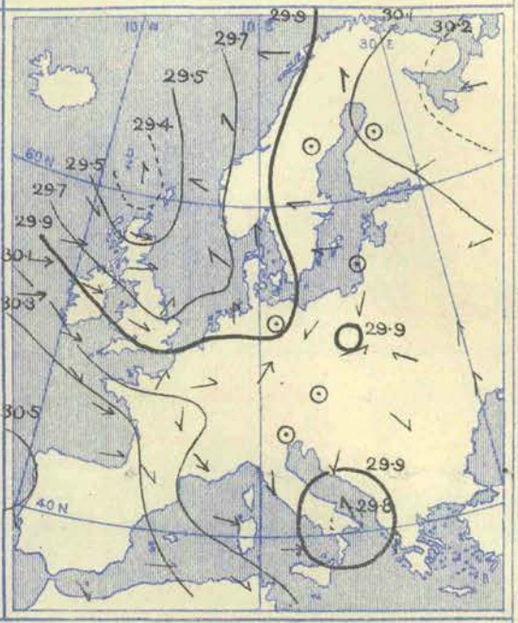
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in nearly all parts of southern Europe and Algeria, but rainy at Brindisi. Very cloudy or overcast over our area generally, with showers in Ireland, steady rain or snow in several parts of central Europe, and snow in the north-east. Rain, or snow, falling in nearly all regions later except Algeria and the south of France—largest amounts, 1·8 in. at Charleville (north-east of France), 0·9 in. at Brindisi, 0·7 in. at Aix-la-Chapelle, and 0·4 in. at Sumburgh Head.

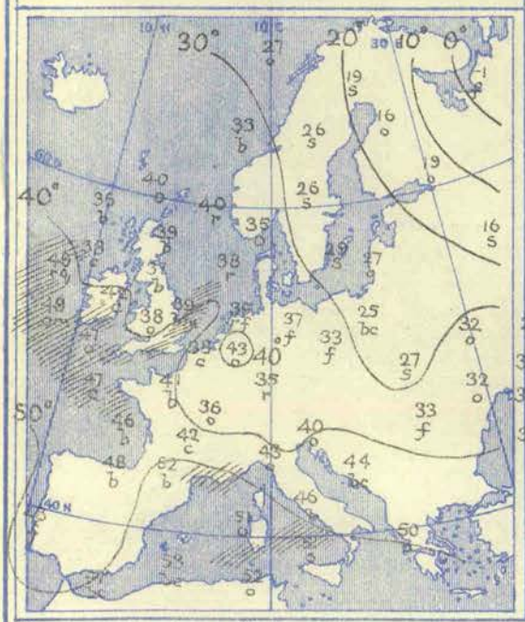
Temperature risen in most places. Morning values ranging from 53° in Algeria and 50° at Lisbon, Biarritz, and Roche's Point, to below 40° over most parts of central, northern, and eastern Europe, and to below 30° in places. Lowest reading, 18° at Moscow. Maxima during day 50° or above in most parts of our Islands, France, and Italy, and above 60° in Algeria. Highest reading, 66° at Algiers. Frost continuing all day in Sweden and Russia.

Wind in morning anticyclonic in the north-east and south-west of our area; general cyclonic elsewhere, but no complete circulation prevailing. Strong from North-West at Cape Sicié and Cagliari and from East at Wisby, but little force as a whole. Veering to West over the United Kingdom by evening and increasing to a strong breeze or a moderate gale.

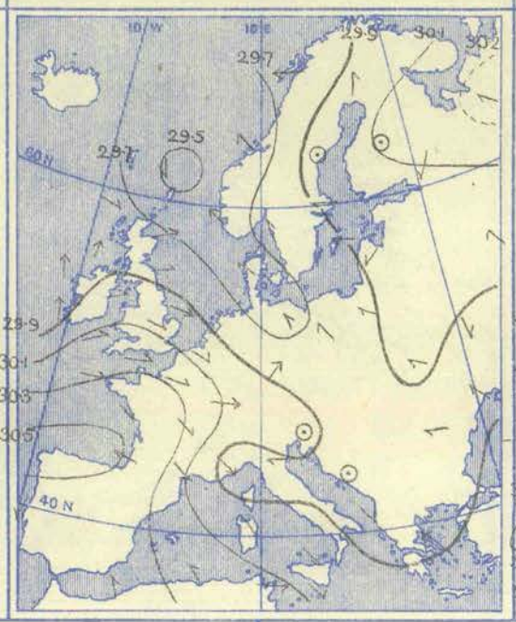
Barometer at 8 a.m. highest, 30·4 ins. to 30·5 ins. in an anticyclone over the Iberian Peninsula and above 30·1 ins. over Finland and the White Sea. Lowest, 29·5 ins. and less off our north-west coasts. Relatively low in ill-defined disturbances over Germany, the North Sea, and Italy. Depression in north-west travelling eastwards during day, and barometer rising briskly on our west coasts. Italian low pressure system apparently moving south-eastwards and becoming more pronounced.

Wednesday, 8th March, 1905

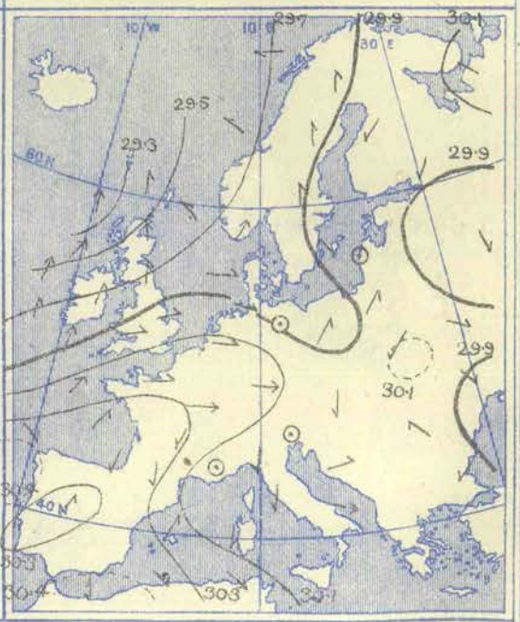
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. temporarily fine and bright in some parts of our Islands and the most southern regions. Dull and very unsettled generally, with rain or snow in several localities. Rain falling later over the United Kingdom—as much as 0·90 in. at Portland Bill—and smaller amounts of rain or snow in various parts of the Continent. A thunderstorm occurring at Valencia (Ireland).

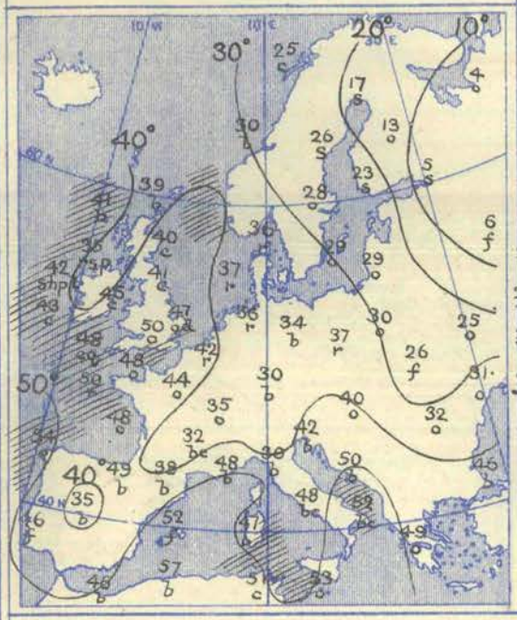
Temperature fallen as a whole. Morning readings highest, 54° to 56° on many shores of the Mediterranean. Lowest, (1) −1° at Archangel, +16° at Kuopio and Moscow, 19° at Haparanda, (2) between 36° and 38° in many parts of our Islands, (3) 37° at Turin, 38° at Pesaro, 40° at Rome. Rising during day to 68° at Algiers, Palma, and Madrid, 66° at Nice, to 64° at Cagliari, and to above 50° over Italy, the west of France, and at some of our own stations.

Wind at 8 a.m. strong in force over our Islands, the adjacent parts of the Continent, and the western portion of the Mediterranean. Southerly in Ireland, Westerly over Great Britain, and North-Westerly on the shores of the Mediterranean. A complete cyclonic circulation of moderate to strong breezes prevailing over the north-west of our area. Wind backing to South-West or South later over England and Scotland, and increasing to a moderate gale at Stornoway.

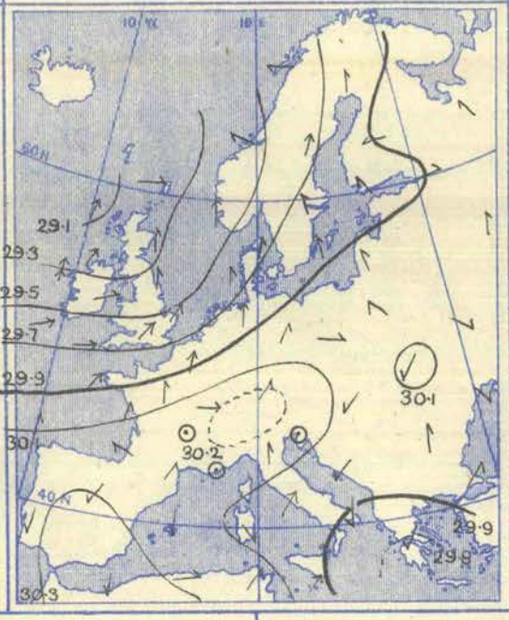
Barometer at 8 a.m. highest, 30·4 ins. and upwards over the Spanish Peninsula and the south-west of France, and 30·2 ins. over the White Sea. Lowest, 29·5 ins. and less in a depression centred between the Shetlands and Norway, and relatively low in another system approaching Ireland and also in ill-defined disturbances over Germany and the south of Europe. Northern disturbance becoming merged in a deeper depression arriving over our north-west coasts from the Atlantic. Pressure decreasing over Spain and Portugal.

Thursday, 9th March, 1905.

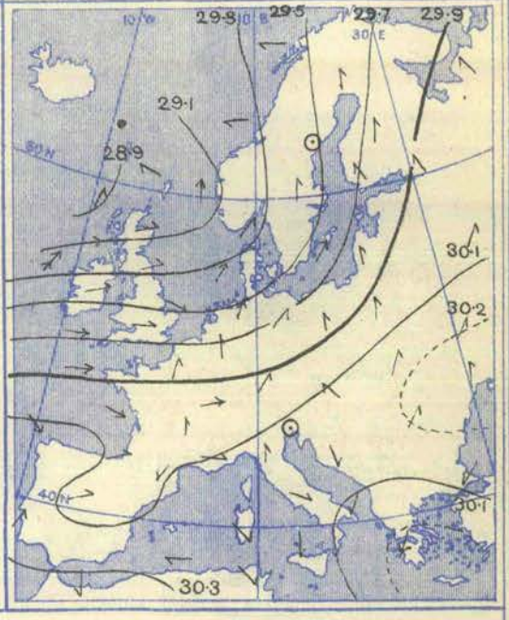
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in several parts of Italy and Algeria. Cloudy or overcast over our area generally, with rain, sleet, or snow in various districts, and lightning at Blacksod Point. Rain falling very generally later over our Islands and their vicinity, and a thunderstorm occurring at Brest.

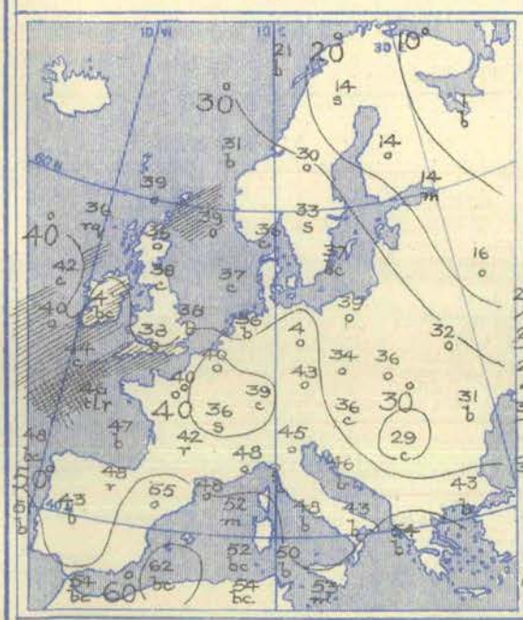
Temperature changed rather irregularly; risen briskly over England, fallen over Russia. Morning readings highest, 57° at Algiers, 54° at Corunna, 52° at Brindisi, 50° in London. Lowest, (1) 4° at Archangel, 5° at St. Petersburg, 6° at Moscow, 17° at Haparanda and Kharkov, (2) 30° at Munich, 32° at Lyons, 39° at Florence, (3) 35° at Nairn and Malin Head, (4) 35° at Madrid. Rising later to 72° in Algeria, 68° at Madrid, 64° at Cagliari, and about 60° at several other southern stations. Maximum at St. Petersburg only 18°.

Wind in morning Southerly and South-Westerly to Westerly in almost all parts of the United Kingdom and their immediate neighbourhood; fresh or strong in most regions, with a fresh gale at Blacksod Point. A Southerly gale prevailing on the south-west coast of Norway. A separate cyclonic movement shown over the south-eastern parts of our area. Little change later.

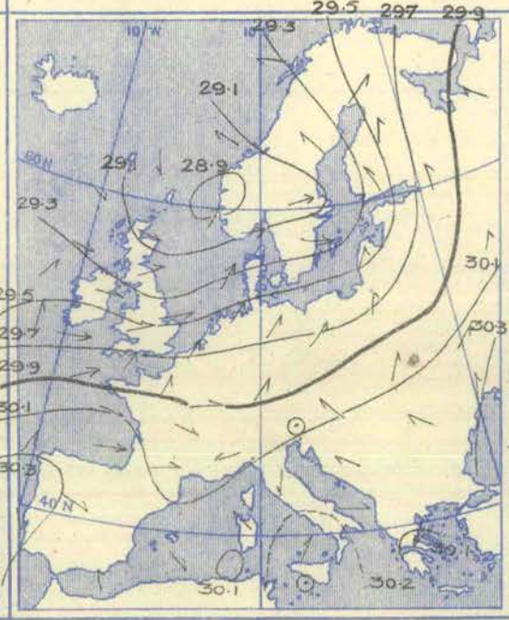
Barometer at 8 a.m. ranging from 30·3 ins. and upwards over the west of Algeria and part of Spain and above 30·2 ins. over Switzerland and Bavaria to less than 29·8 ins. in Greece, and to below 29·1 ins. off the north-west coast of Scotland. Pressure decreasing to 28·93 ins. at Stornoway by evening, and gradients increasing somewhat over almost all parts of our area.

Friday, 10th March, 1905.

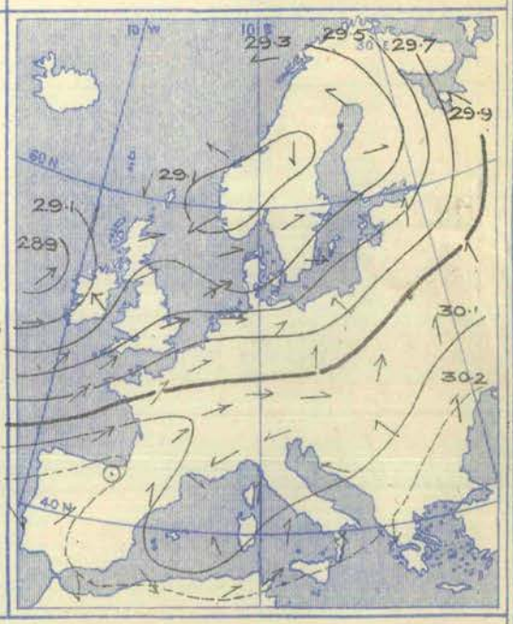
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright at most stations in the extreme south of Europe and in some parts of our Islands; cloudy or overcast as a whole, with snow in Sweden and at Belfort, rain at Lyons, Biarritz, and Bath, sleet at Leith, and thunder at Brest. Rain falling later over our Islands and the greater part of the Continent—largest amounts, 0.5 in. at Bath, 0·7 in. at Scilly, 0·9 in. in the south of Ireland, 1·0 in. at Dungeness, and 1·4 in. at Cherbourg.

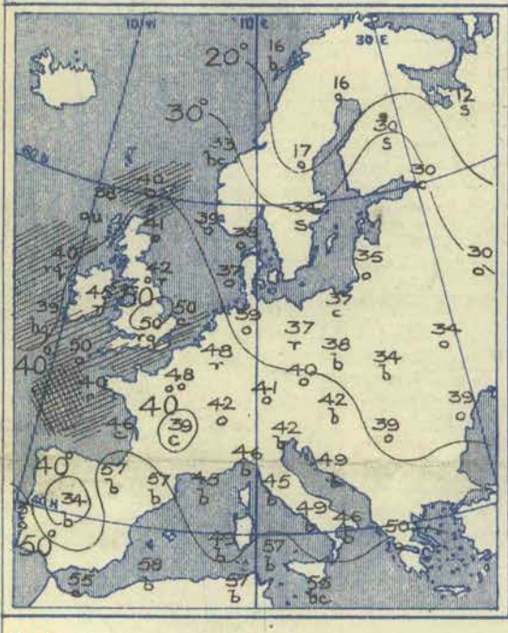
Temperature changed irregularly. Morning readings ranging from 62° at Algiers and 50° or rather higher at some other southern stations to below 40° over the northern half of our area generally, and to below 20° over Russia and Finland. Lowest value, 1° at Archangel. Maxima during day above 70° at some Algerian stations, 68° at Patras, about 60° in various parts of Italy and the Spanish Peninsula, and about 10° lower in the United Kingdom. Frost continuing all day in the far north.

Wind at 8 a.m. showing a vast cyclonic circulation around the south of Norway, the Westerly current blowing strongly over our Islands, France, and Denmark. Light variable airs prevailing over southern Europe and the Mediterranean. A Southerly breeze reported in the south-west of Ireland. Backing to South-West or South over our Islands generally by evening and increasing to a gale in the west and south.

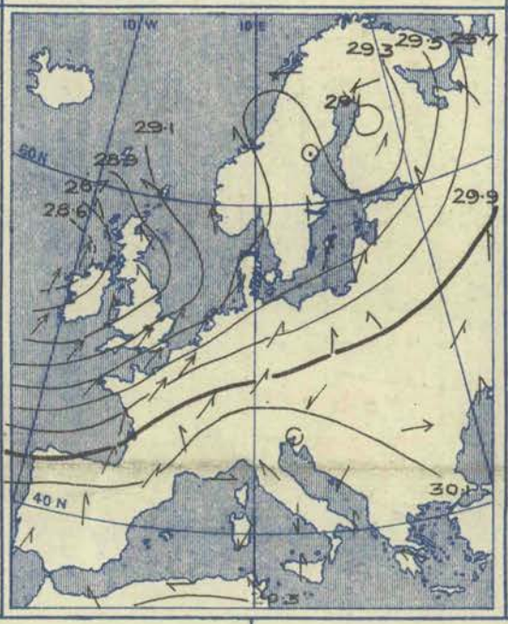
Barometer at 8 a.m. ranging from above 30·3 ins. over Portugal and the Black Sea and from 30·2 ins. over Sicily to below 28·9 ins. in a large depression centred over the south-west coast of Norway. Latter system partially dispersing during day, but a very deep disturbance spreading over our western districts from the Atlantic. Barometer falling 0·58 in. at Blacksod Point between 8 a.m. and 6 p.m. A secondary disturbance travelling eastwards over England during night.

Saturday, 11th March, 1905.

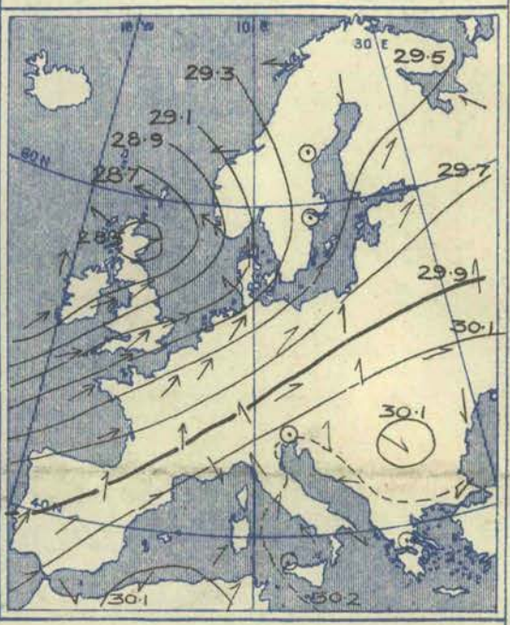
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in the north-west of Norway, Hungary, and most parts of southern Europe. Cloudy or overcast in almost all other regions, with rain over the United Kingdom and its neighbourhood and at Copenhagen, and snow in several northern regions. Considerable or heavy rain later over our Islands and the greater part of the Continent. Thunderstorm at Valencia Island and lightning at several of our other stations.

Temperature risen generally—most over Russia. Readings in morning highest, 58° at Algiers, above 50° at several other Mediterranean stations and at Biarritz, and about 50° in the central parts of England. Lowest, (1) 12° at Archangel, 16° in the north of Scandinavia, 30° at Moscow and St. Petersburg, (2) 34° at Madrid, (3) 38° to 40° in the north of Scotland. Rising later to 55° at Spurn Head, to above 60° at many stations in southern Europe and Algeria, to 70° at Biarritz, and to 72° at Algiers.

Wind in morning strong to a gale from the South-Westward over the major part of Ireland, England, and the adjacent regions of the Continent, and moderate from South-East in Scotland. A complete cyclonic circulation of light to fresh winds prevailing over Finland, and light variable breezes over southern Europe. Wind blowing a moderate gale from East later at Wick, and a strong gale from South-East in the south-west of Norway.

Barometer at 8 a.m. ranging from 30·2 ins. and upwards over Algeria and the Mediterranean to below 29·1 ins. in a depression centred over the north of Finland, and to below 28·6 ins. in another system off our north-west coasts. Latter system travelling to Scotland during day and increasing in depth, but another baric fall commencing in the south-west of our Islands. Finnish depression dispersing by evening.

IV.—GENERAL NOTES.

The general state of the weather over Europe was very disturbed but the chief regions affected were the United Kingdom and the other north-western countries, where the cyclonic depressions were numerous and important. Over Italy and its neighbourhood the depressions were mostly shallow, although large, and had but little influence on the weather which was, as a rule, fine and dry. The highest pressure was usually found either over the Spanish Peninsula or some part of Russia, but by the end of the week it had become transferred to Algeria. The disturbances which travelled from the Atlantic across these Islands and their vicinity often provoked strong winds or gales from between South and West and were accompanied by daily falls of rain, hail, sleet or snow, while towards the end of the week there were some sporadic thunderstorms and much lightning. Temperature continued low over Russia and the north of Scandinavia, but was considerably higher than of late in Algeria and the extreme south of Europe. Maximum readings of 60° or above were sometimes experienced in the Riviera and Italy and a few readings of about 70° on the coast of Algeria and Tunis.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 56.

STATIONS. *	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week
DEERNESS	7·7	−13·8	10	− 18
STRATHPEFFER SPA	9·5	− 9·2	12	− 12
CRATHES	9·4	—	12	—
BALRUDDERY	14·0	—	18	—
EDINBURGH	10·2	− 9·4	13	− 12
COCKLE PARK	21·5	—	28	—
NEWCASTLE-on-TYNE	13·3	—	17	—
SALTBURN-by-the-SEA	21·0	—	27	—
YORK	13·0	− 8·5	17	− 11
SKEGNESS	17·8	—	23	—

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
CROMER	19·0	—	24	—
LOWESTOFT	17·6	—	23	—
DUNMOW	12·3	—	16	—
SHEFFIELD	17·5	—	22	—
WORKSOP	11·9	− 9·2	15	− 12
MARGATE	15·0	− 10·5	19	− 13
BROADSTAIRS	—	—	—	—
RAMSGATE	17·9	—	23	—
EASTBOURNE	8·7	− 19·6	11	− 25
BRIGHTON	7·6	− 20·2	10	− 26
WORTHING	6·2	—	8	—

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
BOGNOR	8·0	—	10	—
VENTNOR HOSPITAL	7·0	− 23·0	19	− 29
BOURNEMOUTH	10·1	—	13	—
MARLBOROUGH	7·1	− 14·9	9	− 19
SOUTHPORT	18·0	—	23	—
RHYL	20·4	—	26	—
ABERDOVEY	13·2	—	17	—
TENBY	25·1	− 4·3	32	− 6
TORQUAY	15·1	− 13·9	19	− 18
NEWQUAY	15·5	− 13·1	20	− 17
GUERNSEY	4·3	− 26·7	5	− 34

ERRATA.—The values below must be substituted for those which have already appeared.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 4, page 20	Hillington	—	—	—	—	—	—	—	—	—	—	—	11·7	0·4	—	—
" "	Tunbridge Wells	—	—	41·8	—	—	—	—	—	—	—	—	—	—	—	—
" "	Scilly	—	—	—	41·0	45·2	− 0·5	27	3	—	—	—	—	—	—	—
No. 5, page 26	Hillington	52	—	46·7	35·8	41·3	+ 3·7	13	25	—	—	—	—	—	—	—
" "	Aspatria	—	—	—	38·0	41·3	+ 3·4	—	—	—	—	—	—	—	—	—
" "	Stonyhurst	—	—	—	39·7	42·5	+ 4·4	—	—	—	—	—	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 11. ELEVENTH WEEK, ENDING SATURDAY, MARCH 18TH, 1905. *Price 6d. Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 62.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	54	27	45·3	36·3	41·1	3 above	12	+ 2	22	−11	70	−12	315	− 79
	1. SCOTLAND, EAST	55	28	48·2	35·6	41·7	2 above	17	+ 2	25	−10	199	+ 1	351	− 89
	2. ENGLAND, N.E.	58	32	51·6	38·5	44·9	4 above	35	+18	10	−20	145	+27	280	− 97
	3. ENGLAND, EAST	57	36	51·6	40·7	46·0	5 above	33	+10	4	−28	144	+ 6	284	−131
	4. MIDLAND COUNTIES	52	33	51·4	39·2	45·1	4 above	33	+ 9	8	−24	171	+14	304	−114
	5. ENGLAND, SOUTH	59	35	51·3	41·3	46·2	4 above	32	+ 9	2	−23	165	−11	235	− 86
Principal Grazing Districts.	6. SCOTLAND, WEST	52	32	48·3	38·5	43·2	2 above	23	+ 8	10	−16	147	+27	214	−102
	7. ENGLAND, N.W.	56	34	50·0	39·4	44·6	3 above	29	+13	7	−18	164	+34	210	− 98
	8. ENGLAND, S.W.	58	33	50·9	41·1	45·9	3 above	31	+ 8	3	−18	193	−10	188	− 55
	9. IRELAND, NORTH	54	30	47·7	36·2	41·8	0 (average)	16	− 4	23	0	181	+ 8	203	− 67
	10. IRELAND SOUTH	58	29	50·2	37·6	43·7	0 (average)	30	+ 4	12	− 3	276	+31	140	− 63
	— CHANNEL ISLANDS	56	40	52·8	43·2	47·9	3 above	41	+12	0	− 8	310	+34	55	− 48

Rainfall.

	DISTRICTS. (See p. 62.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	11	3 more	66	+14	15·6	+ 4·9
	1. SCOTLAND, EAST	7	10	5 more	47	+ 5	4·9	− 1·4
	2. ENGLAND, N.E.	5	5	1 more	34	− 5	2·3	− 2·2
	3. ENGLAND, EAST	6	10	6 more	41	0	3·4	− 0·9
	4. MIDLAND COUNTIES	6	11	7 more	40	+ 2	3·9	− 1·3
	5. ENGLAND, SOUTH	7	20	16 more	41	+ 2	5·8	0·0
Principal Grazing Districts.	6. SCOTLAND, WEST	6	13	5 more	54	+ 8	11·1	− 0·6
	7. ENGLAND, N.W.	6	11	6 more	49	+ 6	6·1	− 0·7
	8. ENGLAND, S.W.	6	18	13 more	44	0	7·4	− 1·0
	9. IRELAND, NORTH	6	11	5 more	59	+ 8	8·3	+ 0·9
	10. IRELAND, SOUTH	6	16	10 more	51	+ 3	7·9	− 1·3
	— CHANNEL ISLANDS	7	15	9 more	51	+ 3	6·9	− 0·3

Bright Sunshine.

	DISTRICTS. (See p. 62.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	18	− 3	23	− 4	112	− 25	17	− 4
	1. SCOTLAND, EAST	27	+ 5	33	+ 6	177	− 6	26	− 1
	2. ENGLAND, N.E.	37	+ 5	45	+ 6	197	− 11	28	− 2
	3. ENGLAND, EAST	32	+ 4	39	+ 5	223	+ 24	31	+ 3
	4. MIDLAND COUNTIES	31	+ 6	38	+ 7	175	+ 9	24	+ 1
	5. ENGLAND, SOUTH	34	+ 5	42	+ 6	211	+ 19	29	+ 3
Principal Grazing Districts.	6. SCOTLAND, WEST	37	+ 8	45	+ 9	186	+ 29	26	+ 4
	7. ENGLAND, N.W.	36	+14	44	+17	181	+ 33	25	+ 5
	8. ENGLAND, S.W.	32	+ 3	39	+ 4	203	+ 8	28	+ 1
	9. IRELAND, NORTH	32	+ 8	39	+10	178	+ 10	25	+ 1
	10. IRELAND, SOUTH	30	+ 2	36	+ 2	196	0	27	0
	— CHANNEL ISLANDS	37	+ 4	46	+ 5	226	− 10	30	− 1

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather. A very rough, squally, changeable week was experienced over the whole country. Steady rain or heavy showers of rain or hail were frequent, but alternated with intervals of clear sky. Thunderstorms were experienced generally, and especially over England.

Temperature was above the mean over Great Britain and just equal to it in Ireland. The excess was as much as 5° in England E. and 4° in most other English districts. In Scotland and the western half of England it was 2° or 3°. The highest of the maxima were recorded, as a rule, either on the 17th and 18th, and ranged from 59° in England S. to 54° in Scotland N. and Ireland N., and to 52° in Scotland W. The lowest of the minima were mostly registered either at the beginning or at the end of the period. They varied from 27° in Scotland N., 28° in Scotland E., and 29° in Ireland S., to 36° in England E., and to 40° in the Channel Islands.

Rainfall was more than the mean over the whole Kingdom. In England N.E. the excess was slight, elsewhere it was considerable generally, and very large in the south and south-west of England. In England S. the fall was as much as five times the mean.

Bright Sunshine exceeded the mean in all districts except Scotland N. The percentage of the possible duration ranged from 46 in the Channel Islands, 45 in England N.E. and Scotland W., and 44 in England N.W., to 36 in Ireland S., 33 in Scotland E., and 23 in Scotland N.

Barometer and Wind. As the week commenced the centre of a deep depression had reached the north of Scotland, and the wind over our Islands was strong to a gale, from the South-Westward generally and from the North-Eastward in the Shetlands and Hebrides. This system dispersed while remaining almost stationary and the winds subsided, but by Tuesday another disturbance of considerable importance had arrived off our north-west coasts, accompanied by a secondary over England, and the wind again increased from South-West and West over all our southern districts. In the following night the system became merged in another of exceptional depth, the centre of which lay off the north-west of Ireland at 8 a.m. on Wednesday. The lowest reading of the barometer recorded was 27·92 ins. at Malin Head, and gradients were exceedingly steep over the whole Kingdom. Strong gales were experienced very generally during the night of Tuesday and on Wednesday, the wind attaining the force of a "storm" on the west and south coasts. The disturbance subsequently travelled away northward and the gales subsided. It was, however, followed by a secondary system which caused a renewal of the gale on our southern coasts during Thursday night. At the end of the week a shallow depression of a "V" shaped type was travelling over the south of England to the North Sea and the Netherlands.

3461 Wy. & S. Ltd.
370 3 | 05

II.—DATA from which the SUMMARY on page 61 has been calculated.

Districts. March 12-18, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	47	35	44·9	39·0	41·9	+ 3·7	8	12	6	1·06	+ 0·41	*	*	*	*
	Stornoway	50	33	47·0	37·0	41·9	+ 2·4	14	20	7	1·27	+ 0·48	23·8	+ 0·4	29	+ 1
	Wick	48	30	45·7	37·1	41·3	+ 2·2	10	19	7	0·47	+ 0·01	*	*	*	*
	Lairg Ⓢ	54	27	47·9	33·1	40·3	+ 3·1	17	34	6	0·57	- 0·13	*	*	*	*
	Glencarron Ⓢ	50	32	45·8	35·1	40·3	+ 2·4	11	26	7	2·14	+ 0·62	*	*	*	*
	Fort Augustus Ⓢ	—	31	—	35·0	—	—	—	—	7	0·80	+ 0·10	19·2	+ 2·0	24	+ 3
1. SCOTLAND, E.	Nairn	54	29	48·3	34·0	40·9	+ 1·5	18	31	7	0·46	+ 0·09	*	*	*	*
	Aberdeen	49	32	47·4	37·9	42·5	+ 2·6	21	11	6	0·51	0·00	13·9	- 13·2	17	- 16
	Braemar Ⓢ	47	28	42·8	33·3	37·9	+ 1·8	2	30	6	2·48	+ 1·93	*	*	*	*
	Clathick Ⓢ	53	33	49·7	35·0	42·1	+ 2·3	30	20	7	1·79	+ 1·16	*	*	*	*
	Leith	55	35	52·1	38·1	44·9	+ 3·5	37	11	7	0·33	+ 0·02	*	*	*	*
	Marchmont Ⓢ	53	33	48·6	35·3	41·8	+ 2·7	18	27	6	0·37	- 0·17	37·8	+ 14·4	47	+ 18
2. ENGLAND, N.E	Alnwick Castle	54	32	51·4	36·7	43·8	+ 3·9	35	15	5	0·41	- 0·12	*	*	*	*
	Durham	55	32	51·0	36·0	43·3	+ 3·3	34	17	3	0·26	- 0·18	40·5	+ 15·2	49	+ 19
	Shields	56	36	52·6	37·7	44·9	+ 4·3	38	12	4	0·38	0·00	*	*	*	*
	Scarborough Ⓜ	58	37	51·9	39·5	45·5	+ 4·6	35	7	5	0·71	+ 0·31	37·7	—	46	—
	Spurn Head	54	39	50·6	40·1	45·2	+ 4·6	30	5	5	0·33	+ 0·07	*	*	*	*
	Lincoln	58	37	52·5	39·3	45·7	+ 4·5	37	8	6	0·58	+ 0·28	*	*	*	*
	Fulbeck	56	39	51·5	40·5	45·8	+ 5·3	33	4	7	0·78	+ 0·48	33·8	—	41	—
3. ENGLAND, E.	Hillington Ⓜ	56	36	53·2	39·3	46·0	+ 4·8	39	8	5	1·04	+ 0·68	29·4	+ 3·0	36	+ 4
	Yarmouth	53	40	49·4	41·3	45·2	+ 5·0	25	2	6	0·43	+ 0·05	*	*	*	*
	Geldeston	57	39	52·7	39·9	46·1	+ 4·9	38	6	6	0·64	+ 0·30	28·3	- 0·7	35	- 1
	Cambridge	56	38	53·8	39·4	46·4	+ 5·0	42	7	7	1·03	+ 0·73	35·9	+ 7·9	44	+ 10
	Felixstowe	54	36	49·9	41·4	45·5	+ 4·3	27	2	7	1·09	—	35·1	—	43	—
	Clacton-on-Sea	53	37	50·0	41·7	45·7	+ 4·3	27	1	6	0·90	—	33·3	—	41	—
	Rothamsted	55	37	51·5	39·9	45·5	+ 4·8	33	6	7	1·82	+ 1·45	33·4	+ 6·6	41	+ 8
	Shoeburyness	55	40	52·4	42·3	47·2	+ 5·6	36	0	6	0·87	+ 0·60	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	54	36	50·0	38·1	43·9	+ 4·4	30	11	6	0·95	+ 0·47	30·7	—	37	—
	Bawtry (Hesley Hall)	57	37	53·0	39·0	45·8	+ 4·7	39	8	6	0·53	+ 0·18	*	*	*	*
	Nottingham	57	36	52·3	39·6	45·8	+ 4·5	37	7	7	1·01	+ 0·66	32·0	—	39	—
	Colly Weston (Stamford)	55	35	51·9	39·0	45·3	+ 4·1	36	8	6	0·86	+ 0·53	*	*	*	*
	Cheadle Ⓜ	55	33	49·3	36·9	42·9	+ 3·1	28	14	6	0·94	+ 0·47	*	*	*	*
	Birmingham (Edgbaston)	56	36	50·6	38·5	44·4	+ 3·7	32	10	6	1·18	+ 0·83	36·8	—	33	—
	Shrewsbury	55	37	52·0	38·9	45·3	+ 4·0	36	9	6	1·01	—	*	*	*	*
	Hereford Ⓜ	58	37	52·1	40·2	46·0	+ 4·3	36	5	6	1·16	+ 0·81	*	*	*	*
	Cirencester	55	36	50·9	40·7	45·7	+ 5·3	31	4	7	1·53	+ 1·11	34·0	+ 7·5	42	+ 9
	Oxford	56	38	52·0	40·9	46·3	+ 4·5	35	3	7	1·47	+ 1·13	30·2	+ 4·2	37	+ 5
	Westminster	57	40	52·9	42·0	47·3	+ 4·7	37	0	6	1·95	—	28·4	+ 13·0	35	+ 16
5. ENGLAND, S.	London (Brixton)	56	39	53·6	41·1	47·2	+ 4·8	40	3	6	2·23	+ 1·90	25·9‡	+ 7·0‡	32‡	+ 9‡
	Wisley (Surrey)	56	39	51·9	41·7	46·7	+ 4·3	34	1	7	2·11	—	37·4	—	46	—
	Swarraton (Alresford) Ⓜ	56	38	51·0	40·4	45·5	+ 4·9	31	4	6	2·46	+ 2·00	*	*	*	*
	Tunbridge Wells Ⓜ	55	37	50·5	40·8	45·5	+ 4·7	30	3	7	1·73	—	31·3	—	38	—
	Dungeness	53	35	50·4	41·4	45·8	+ 4·4	29	2	7	1·74	+ 1·41	39·0	—	48	—
	Hastings (St. Leonards)	55	36	50·5	42·1	46·2	+ 4·3	29	0	7	1·75	+ 1·31	35·0	+ 3·7	43	+ 5
	Southampton	59	39	53·7	42·4	47·9	+ 4·7	41	0	7	2·04	+ 1·59	36·9	+ 7·9	45	+ 10
	Portland Bill	52	39	50·1	42·3	46·1	+ 2·5	29	0	6	1·76	—	*	*	*	*
	Shaftesbury Ⓜ	54	36	50·1	39·4	44·6	+ 4·0	29	7	7	1·83	+ 1·36	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	49	35	47·7	37·6	42·5	+ 1·2	22	12	7	2·32	+ 0·95	*	*	*	*
	Glasgow	49	36	46·9	38·8	42·7	+ 2·6	18	9	6	0·96	+ 0·40	20·5	+ 1·1	25	+ 1
	Cally Ⓢ	52	32	49·4	38·0	43·5	+ 2·8	27	11	5	1·41	+ 0·64	*	*	*	*
	Aspatria	52	34	48·7	38·3	43·4	+ 3·1	25	10	6	1·09	—	45·0	—	55	—
	Douglas (Isle of Man)	52	35	48·6	39·6	44·0	+ 2·5	24	7	5	0·93	+ 0·31	43·9	+ 13·9	54	+ 17
7. ENGLAND, N.W.	Newton Rigg	51	34	48·4	36·1	42·1	+ 3·0	25	17	5	1·07	—	35·2	—	43	—
	Stonyhurst	51	37	48·3	39·2	43·6	+ 3·4	23	8	6	0·96	+ 0·20	32·9	+ 9·1	40	+ 11
	Blackpool Ⓜ	52	39	49·5	39·4	44·3	+ 3·2	27	7	7	0·78	+ 0·31	40·1	+ 16·3	49	+ 20
	Manchester (Prestwich)	54	39	50·8	39·7	45·1	+ 4·5	31	6	6	0·91	+ 0·36	25·5	—	31	—
	Liverpool Obsy. (Bidston)	53	38	50·1	39·6	44·7	+ 3·0	29	7	6	1·33	+ 0·96	39·2	—	48	—
	Chester (Hawarden Bridge)	56	37	52·5	40·8	46·5	+ 4·2	37	3	6	0·70	—	*	*	*	*
	Llandudno Ⓜ	56	39	50·3	40·4	45·2	+ 2·2	29	4	6	1·32	+ 0·89	39·8	+ 15·0	49	+ 18
	Holyhead	52	38	49·0	40·3	44·5	+ 1·7	25	5	6	1·40	+ 0·99	*	*	*	*
	Bettws-y-Coed	55	37	51·4	39·4	45·2	+ 2·4	33	7	6	1·64	—	38·2	—	47	—
8. ENGLAND, S.W.	Llangammarch Wells	53	36	48·9	37·9	43·2	+ 2·8	26	11	7	2·37	—	24·1	—	29	—
	Pembroke	50	41	48·1	42·9	45·4	+ 2·5	24	0	6	1·55	+ 1·03	35·7	+ 5·6	44	+ 7
	Cardiff	56	33	51·9	40·5	46·0	+ 2·7	34	4	6	1·78	—	*	*	*	*
	Clifton	56	39	51·0	41·4	46·1	+ 3·6	31	2	6	1·78	+ 1·27	*	*	*	*
	Bath	56	40	52·7	42·3	47·4	+ 5·4	38	0	6	1·56	+ 1·09	33·0	—	40	—
	Arlington (N. Devon)	54	37	49·6	38·7	44·0	+ 3·2	28	9	6	1·84	+ 1·06	*	*	*	*
	Cullompton Ⓜ	58	37	52·8	40·4	46·4	+ 3·0	38	4	6	1·87	+ 1·34	27·4	- 0·6	33	- 1
	Falmouth	54	39	51·4	42·4	46·8	+ 2·5	34	0	7	2·07	+ 1·34	34·8	+ 3·4	42	+ 4
	Plymouth	58	38	51·9	43·6	47·6	+ 3·7	39	0	6	1·72	+ 1·16	34·6	+ 4·2	42	+ 5
9. IRELAND, N.	Malin Head	51	33	47·7	34·9	41·1	- 1·1	16	27	7	0·95	+ 0·48	*	*	*	*
	Edenfel (Omagh)	50	32	46·0	35·3	40·5	+ 0·3	11	25	6	1·35	+ 0·79	*	*	*	*
	Blacksod Point	51	35	47·0	38·7	42·7	- 0·9	19	9	6	1·13	+ 0·34	*	*	*	*
	Markree Castle	54	30	47·9	35·3	41·4	- 0·4	17	26	6	1·22	+ 0·58	27·2	+ 3·7	33	+ 5
	Armagh	53	33	48·8	36·2	42·3	+ 1·2	26	16	6	1·01	+ 0·57	36·4	+ 13·1	44	+ 16
	Donaghadee	53	33	48·9	36·7	42·6	+ 0·4	26	15	6	0·70	+ 0·27	*	*	*	*
10. IRELAND, S.	Dublin	55	35	50·9	39·6	45·1	+ 1·7	32	7	5	0·94	+ 0·50	33·2	+ 5·6	41	+ 7
	Birr Castle	53	32	49·3	35·4	42·1	- 0·1	28	18	7	2·05	+ 1·55	27·5	+ 2·0	34	+ 2
	Kilkenny	55	29	50·1	34·3	42·0	- 1·1	23	22	6	1·30	+ 0·84	*	*	*	*
	Waterford	58	30	52·0	36·3	43·9	+ 1·0	37	16	5	1·31	+ 0·70	*	*	*	*
	Roche's Point	53	35	49·9	39·6	44·6	+ 0·2	28	7	7	1·34	+ 0·60	*	*	*	*
	Valencia	53	35	50·0	39·6	44·7	- 0·6	29	7	7	2·22	+ 1·34	28·8	- 1·4	35	- 2
	Killarney	57	35	50·8	37·9	44·2	- 0·2	33	11	7	2·56	+ 1·72	*	*	*	*
	Foynes	54	35	48·7	38·2	43·3	- 0·2	25	11	6	1·07	+ 0·50	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	55	42	51·7	43·3	47·4	+ 1·5	38	0	6	1·29	+ 0·77	36·4	+ 4·7	44	+ 6
	Jersey (St. Aubyn's)	56	40	53·9	43·1	48·3	+ 3·7	44	0	7	1·60	+ 1·10	41·3	+ 6·8	50	+ 8

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

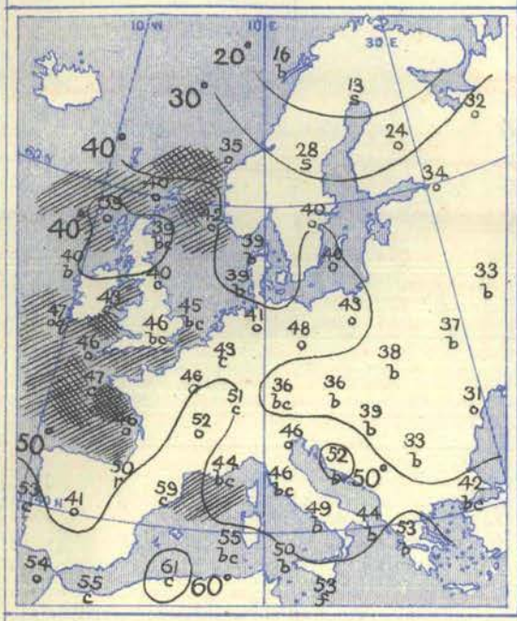
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

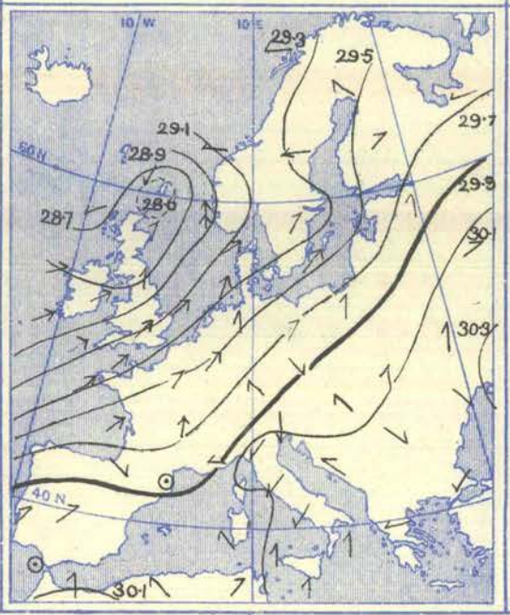
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 12th March, 1905.

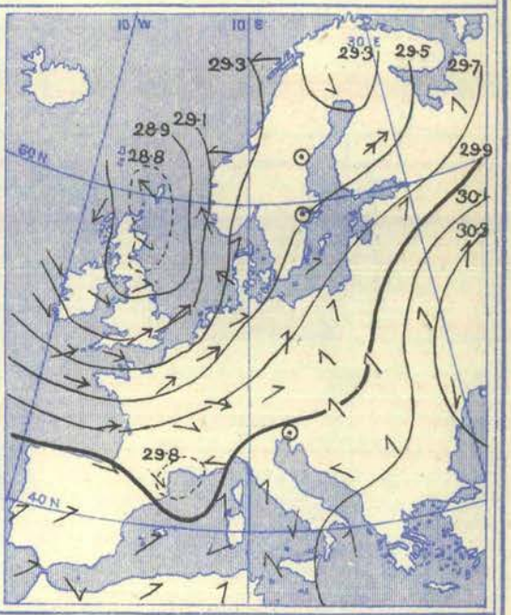
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in several parts of central and southern Europe and temporarily so in the south-east and centre of England. Squally and showery over the west and north of England, Ireland, Scotland, and many parts of France, and rain or snow falling in Finland and the north of Sweden. Rain falling very generally over the United Kingdom during day, with hail in places, and thunderstorms at some eastern and south-eastern stations. Rain also falling in various north-western regions of the Continent.

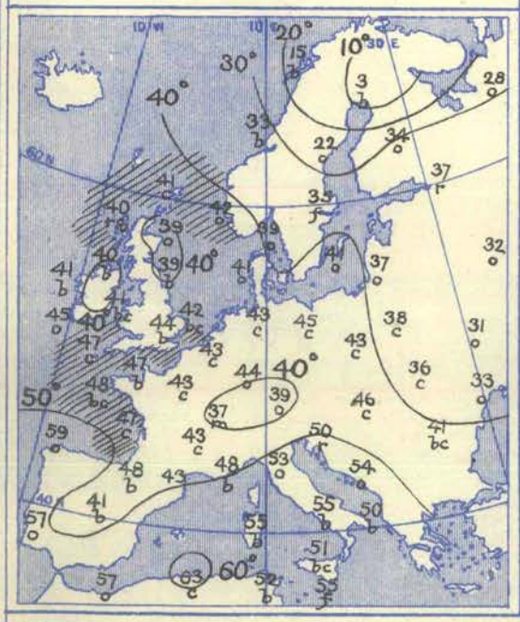
Temperature risen in most regions, but fallen over the United Kingdom and the adjacent portion of the Continent. Morning readings ranging from 61° at Algiers and 59° at Barcelona to below 40° over Austria-Hungary, Russia, and northern Europe generally, and to below 20° in the north of Scandinavia. Rising subsequently to 77° at Algiers, above 60° at most southern stations and at Buda-Pesth, and to 50° in a few British localities. Maximum only 20° at Haparanda and 19° at Bodö.

Wind at 8 a.m. showing a cyclonic circulation, strong to a gale, over all the north-western countries. Light or moderate and rather variable breezes prevailing in the east and south of our area. A separate cyclonic circulation setting in around the Gulf of Lyons by evening, but little change taking place as a whole. Wind becoming more Northerly and increasing in force on our own north-west coasts.

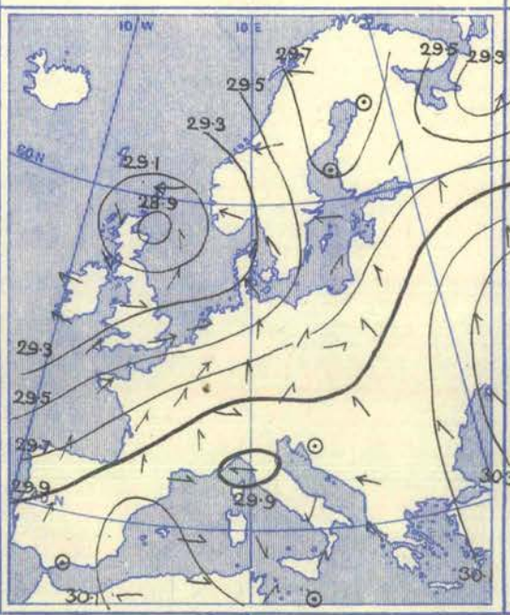
Barometer at 8 a.m. ranging from above 30·3 ins. in the south of Russia to 28·6 ins. and less in a depression centred off the north-east of Caithness. Gradients steep or rather so generally, but somewhat irregular. Northern disturbance remaining almost stationary during day, but becoming less deep. A baric fall over the Gulf of Lyons resulting in the formation of another depression, and a third disturbance appearing over Lapland. Pressure increasing over the south of Russia.

Monday, 13th March, 1905.

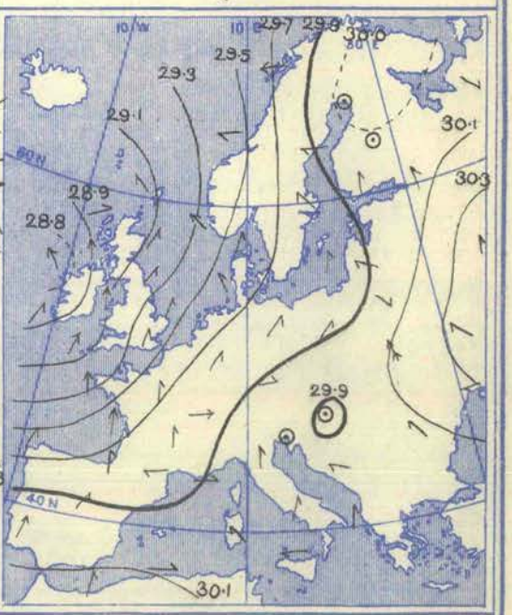
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in many parts of southern Europe, England, and Ireland. Cloudy or overcast elsewhere, with rain at St. Petersburg and Stornoway and also at Dungeness, over Holland, and at Oporto. Remaining fine in Italy and in several other parts of the extreme south, but rain becoming very general later over northern and north-western Europe—heaviest in Brittany, 1·3 in. falling at Lorient.

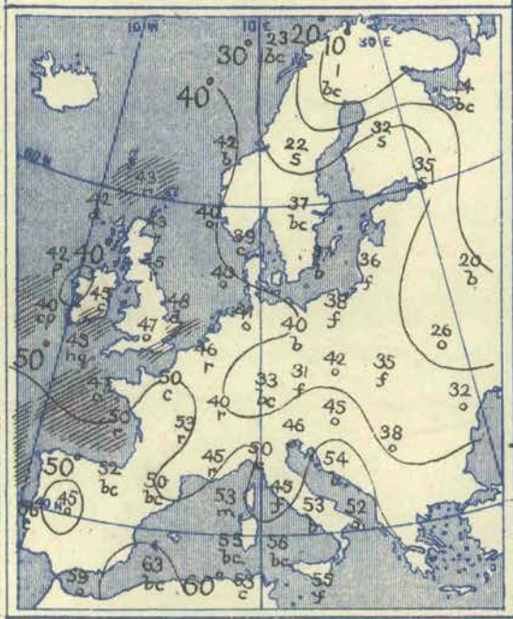
Temperature risen in the far south, changed irregularly elsewhere. Morning readings, 63° at Algiers, 60° at Palma, above 50° in the southern regions generally. Below 40° in various parts of our Islands and central Europe, and below 32° in the greater part of Russia and Scandinavia. Lowest values, 5° at Uleaborg and 3° at Haparanda. Maxima during day above 50° over the major portion of our Islands, above 60° in many parts of France and the other countries further south, and above 70° in Sicily and Algeria.

Wind at 8 a.m. showing three separate cyclonic circulations—an extensive one over the British Isles and their vicinity, another over the north of Russia, and a smaller one off the south-east of France. No gales reported, but strong breezes from different points of the compass rather common. Moderate Southerly to East-South-Easterly breezes prevailing in the west and south of Ireland. Wind becoming Southerly over the Bay of Biscay and our Islands by evening and increasing in force—a fresh gale reported at Portland Bill by 6 p.m.

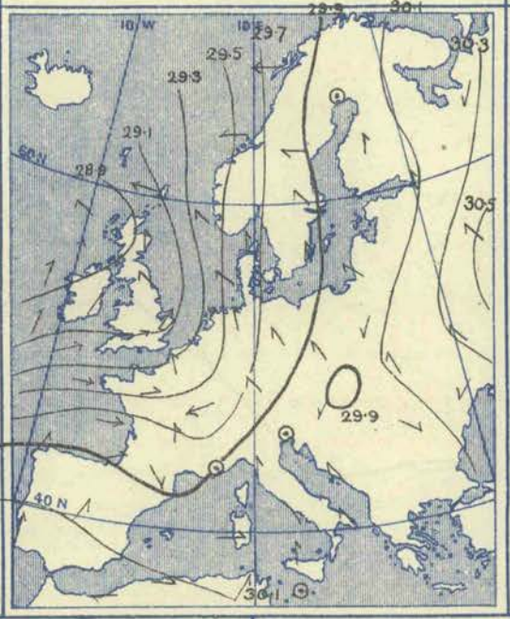
Barometer in morning ranging from above 30·5 ins. in the south of Russia to 29·9 ins. and less in a shallow depression over the Gulf of Genoa, to below 29·2 ins. in a more important system over the White Sea, and to below 28·9 ins. in a slowly dispersing disturbance centred over the north of Scotland. All three depressions disappearing during day, but a very deep one spreading over Ireland and the west of England, and gradients increasing quickly over the western countries.

Tuesday, 14th March, 1905.

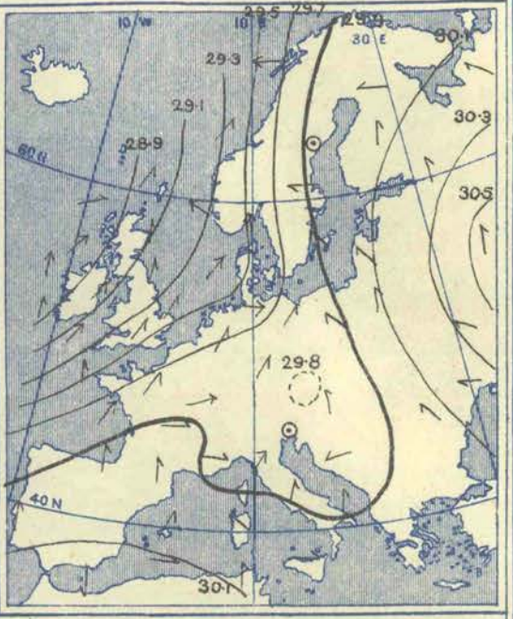
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather at 8 a.m. fine and bright in a few localities, but cloudy or overcast as a whole; showery or rainy in many parts of our Islands, Holland, Belgium, and the north of France, and also at Nice. Fog prevailing at Rome and at several stations in central Europe, and snow at St. Petersburg, Kuopio, and Hernösand. Rain falling very generally later except in Italy and some other southern regions, and thunderstorms occurring in some parts of England. Rain rather heavy over the western countries and at Trieste—largest amount, 1·4 in. at Birr Castle.

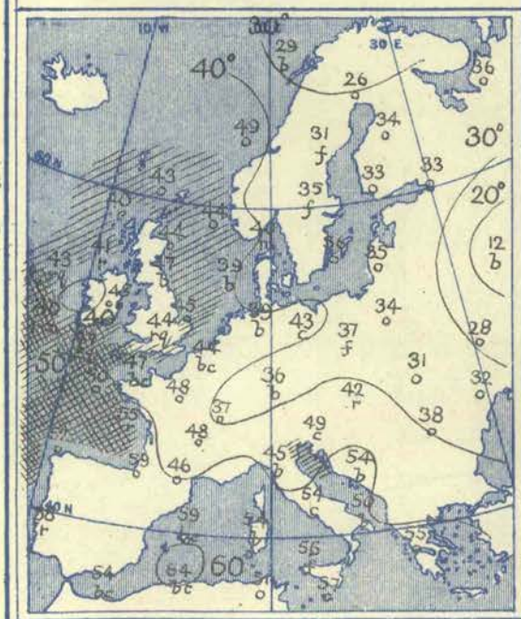
Temperature fallen except over Great Britain and Norway. Morning readings highest, 63° at Algiers, 54° at Lesina, 53° at Lyons, and 50° or above in the south generally. Lowest, 1° at Haparanda, 14° at Archangel, 20° at Moscow, 32° at Odessa; 31° at Prague, 33° at Munich; 37° at Birr Castle. Subsequently rising to 50° or above in several parts of our Islands, to 60° or above in the south of Europe, to 70° at Palermo, and to 72° on the coast of Algeria. Frost continuing all day in the extreme north.

Wind at 8 a.m. moderate to strong from between South and West over Ireland and England, strong from West on the shores of the Bay of Biscay, fresh or strong from the South-Eastward over the Netherlands and the North Sea, and light to fresh from South-East in Scotland. Light and somewhat variable over the major portion of the Continent, but mainly from the Southward or South-Eastward. Backing towards South during day over all the western regions, and increasing to a fresh to whole gale in many parts of Ireland and England, and to a storm at some western and southern stations.

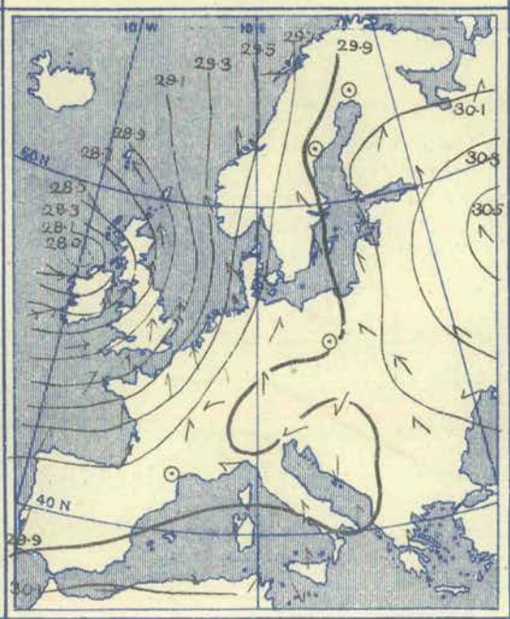
Barometer at 8 a.m. ranging from above 30·5 ins. in the centre of Russia to below 29·9 ins. in a shallow depression over Hungary, and to below 28·9 ins. in a large disturbance over and to the westward of Scotland. Latter system apparently travelling northwards during day, but a very deep cyclonic disturbance advancing rapidly to Ireland during the night. Barometer falling nearly an inch at Malin Head in fourteen hours, and gradients becoming unusually steep in the west and south.

Wednesday, 15th March, 1905.

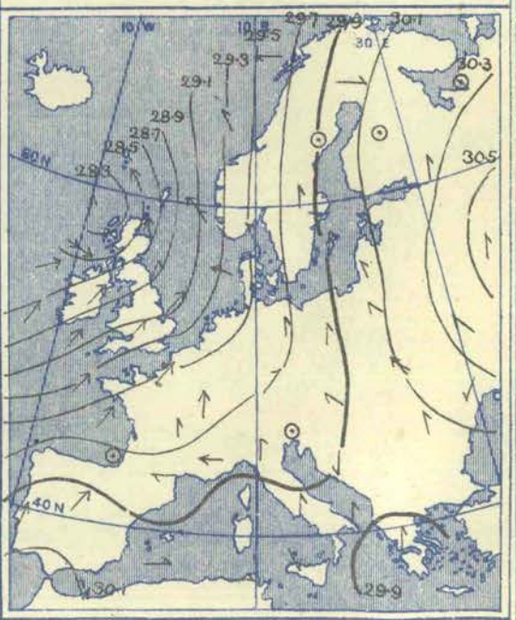
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather at 8 a.m. extremely rough, squally, and showery over our Islands and their neighbourhood. Cloudy or overcast but dry over the major portion of the Continent; rain or snow falling in the south of Sweden. Fine and bright on the coast of Algeria and at several other stations on the Mediterranean. Rain in varying quantities falling later except in Italy, the Riviera, and Austria. Thunderstorms experienced in several parts of England and France.

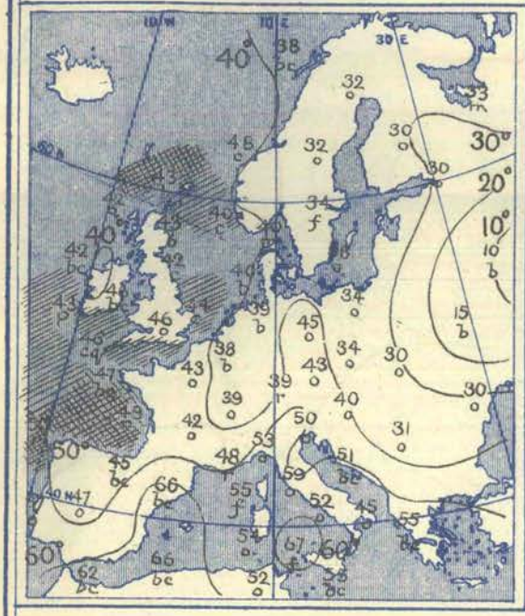
Temperature risen quickly in Sweden and Bohemia, changed little elsewhere. Readings in morning ranging from 64° at Algiers and 59° at Biarritz, Barcelona, and Palma, to below 40° at a few stations in central Europe, and to below 32° in Russia and the north of Scandinavia. Lowest values, 12° at Moscow, Kharkov, and Nicolaieff. Maxima during day about 50° in several parts of our Islands, 60° or above in most southern regions, 75° at Tunis, and 81° at Algiers.

Wind at 8 a.m. blowing a moderate to strong cyclonic gale over our Islands and their neighbourhood, strongest in the west. Variable and mainly light over Italy and in the south generally, and from South or South-East over the Continent as a whole. Gale subsiding somewhat by evening over our Islands and the west of France, but wind increasing to gale force in Denmark and the south-west of Norway. Little change elsewhere.

Barometer at 8 a.m. ranging from above 30·5 ins. in a large anticyclone over Russia to about 27·9 ins. in a very deep cyclonic disturbance having its centre off the north-west of Ireland. Gradients exceedingly steep over the United Kingdom and the surrounding regions, especially over Ireland. Depression travelling northwards during day and becoming rather less deep. Barometer rising in south for some hours, but falling again by evening in the south-west of our Islands owing to a secondary system from the Atlantic.

Thursday, 16th March, 1905.

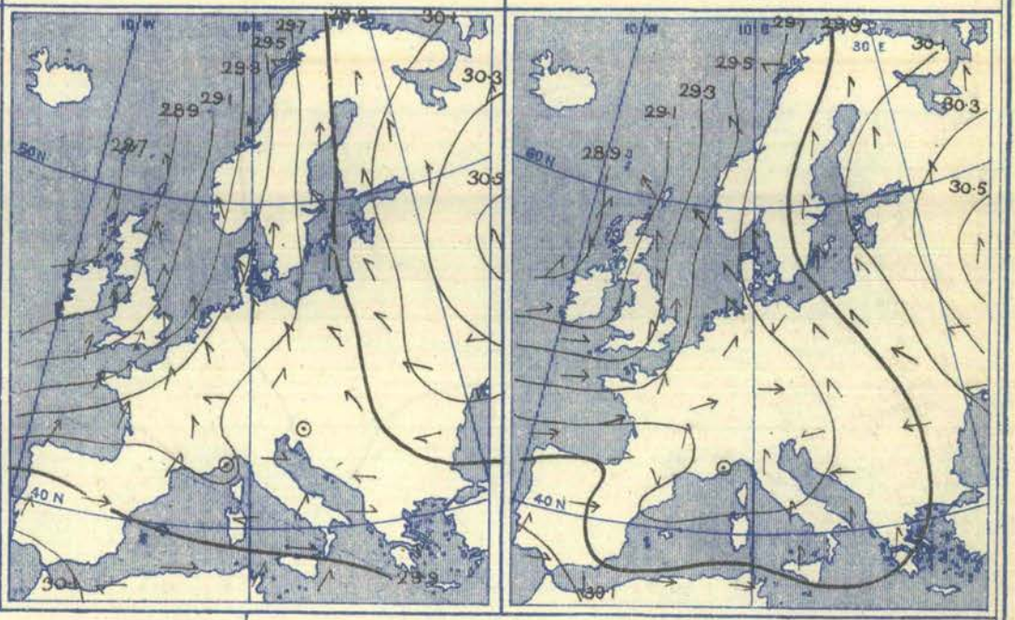
Temperature and Weather. 8 a.m.



Weather at 8 a.m. fine and bright in Algeria and several parts of Russia; cloudy or quite overcast over our area as a whole, with rain in the west and south-west of the Spanish Peninsula and at Munich, and showers in the south-west of Ireland. Rain falling in almost all the western countries later and on the shores of the Adriatic, a thunderstorm occurring at Perpignan and hail in the south-west of France. Lightning observed at Jersey.

Temperature changed irregularly. Morning readings ranging from 67° at Palermo and 66° at Algiers and Barcelona to below 40° over northern and in various parts of central Europe, and to below 20° in most Russian districts. Lowest values, 10° at Moscow and 9° at Kharkov. Rising subsequently to above 70° in Algeria and Sicily, to 70° at Palma and Barcelona, to some degrees above 60° in the south generally, to above 50° at many of our own stations and also at Christiansund. Only touching 36° at Stockholm and St. Petersburg.

Barometer and Wind. 8 a.m. and 6 p.m.

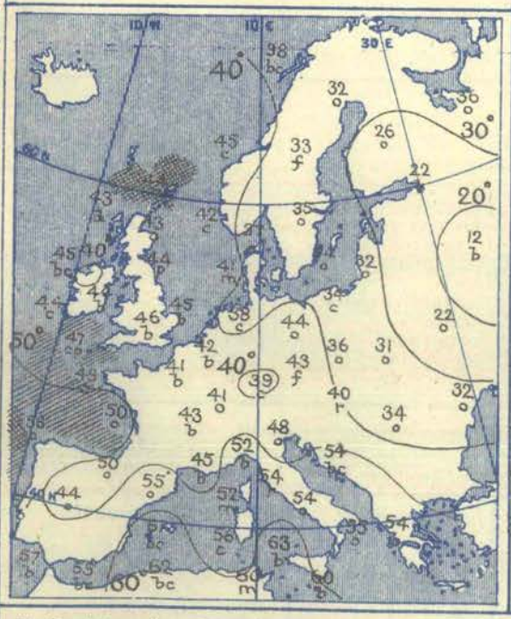


Wind at 8 a.m. mainly Southerly over the United Kingdom and all the western regions of the Continent; fresh to strong in force. Light and variable over the Mediterranean and the surrounding countries, and light from between East and South elsewhere. Veering to the Westward and increasing to a strong to whole gale over the Channel and the south of England during the evening or night. Also increasing to a fresh breeze from Westward at Algiers and to a strong gale over the Balearic Islands.

Barometer at 8 a.m. ranging from above 30·5 ins. in an anticyclone over central Russia to below 28·7 ins. in a depression off our north-west coasts. A secondary disturbance appearing later over the Bristol Channel and moving eastwards. Some secondary systems also appearing further south—one over the Gulf of Venice and another near Barcelona. Barometer rising rather decidedly over the west and north of our Islands and in Scandinavia.

Friday, 17th March, 1905.

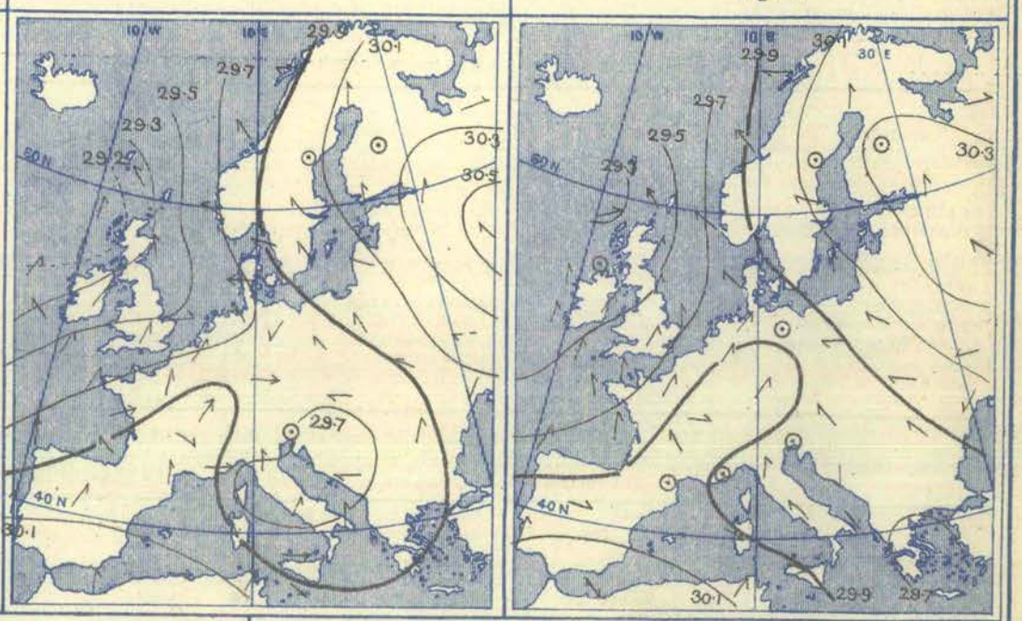
Temperature and Weather. 8 a.m.



Weather at 8 a.m. fine and bright in Algeria, several parts of our Islands, France, and Russia. Much cloud in most other regions, with rain at Rome and Oporto, some of our own northern stations, and in central Europe. Rain becoming general later over the United Kingdom (with thunderstorms in the south-east), over most parts of France and Austria-Hungary, as well as in the far south-east of Europe—largest amounts, 0·60 in. in London and at Lorient, 0·75 in. at Patras, and 0·79 in. at Vienna.

Temperature changed little and rather irregularly. Morning readings, 60° or above at some extreme southern stations, below 50° over our Islands and the nearer parts of the Continent, and below the freezing point over Russia. Lowest readings, 18° at Kharkov and 12° at Moscow. Maxima during day above 50° in most parts of our Islands, above 60° in the south of France and over the south of Europe generally, and above 70° in Algeria. Thermometer remaining below 40° in some parts of Austria and Germany.

Barometer and Wind. 8 a.m. and 6 p.m.

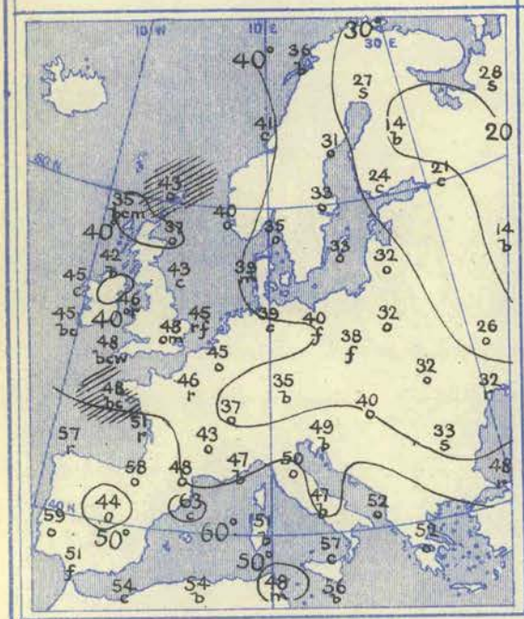


Wind at 8 a.m. light or moderate to fresh from the Southward over the western countries generally, and from the Eastward or South-Eastward over Denmark and Scandinavia. A cyclonic circulation prevailing over the south of Europe, the North-Westerly and Westerly currents blowing very strongly in Sardinia and Sicily. Light anticyclonic winds shown over Russia. Wind backing to South later on our south-west coasts and along the west of France. Little change elsewhere.

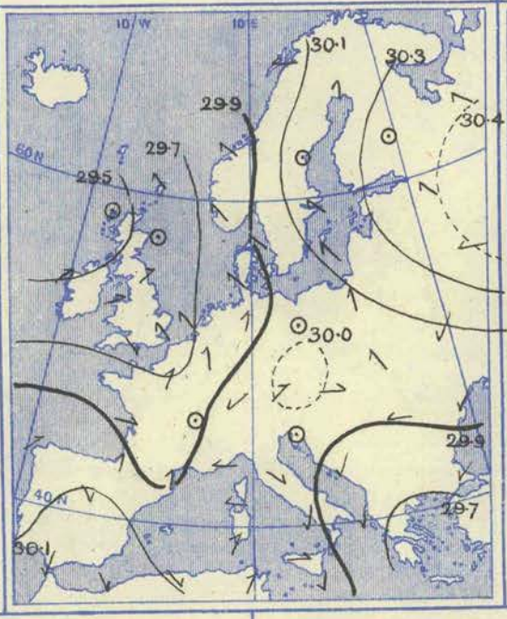
Barometer at 8 a.m. highest, 30·5 ins. and upwards in an anticyclone centred over Russia and relatively high in a ridge extending from Spain to Bavaria. Lowest, less than 29·2 ins. in a depression off our north-west coasts. Below 29·7 ins. in another system centred over the Adriatic. Barometer giving way over Russia during day and also falling slowly over the Bay of Biscay. Depression over the Adriatic travelling south-eastwards to the Balkan Peninsula. Anticyclonic ridge taking up a position further to the eastward.

Saturday, 18th March, 1905.

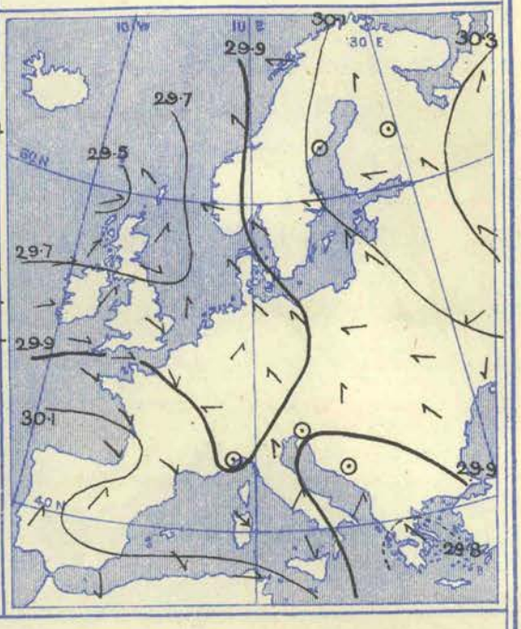
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine over the greater part of these Islands, but rainy on the east and south-east coasts of England. Fine and bright in the Riviera and in a few other parts of the Continent, but cloudy or overcast as a whole, with rain at Oporto and Corunna, in many French localities, and at Odessa and Constantinople, and snow at Hermanstadt, Cracow, Archangel, and in various parts of Sweden. Rain falling later in several parts of our Islands, the east of France, and in a few other continental localities.

Temperature fallen somewhat in most places. Morning readings ranging from 63° at Barcelona, 59° at Lisbon, 58° at Biarritz, and above 50° in the south generally, to below 32° over Russia, Finland, and the north of Sweden, and to 14° at Moscow and Kuopio. Rising subsequently to 58° at Plymouth, 57° in London and at Nottingham, to between 60° and 70° in the southern regions generally, and to above 70° in Sicily and Spain.

Wind at 8 a.m. showing a partial cyclonic circulation over the United Kingdom and its neighbourhood and a complete one over the south-east of Europe, but very little strength prevailing. Mainly anticyclonic elsewhere. Scarcely any change of importance later in day.

Barometer at 8 a.m. highest, 30·4 ins. and upwards over the northern half of Russia, above 30·1 ins. over Morocco and the adjacent portion of Spain, and 30·0 ins. over South Germany. Lowest, 29·7 ins. and less over Greece, and below 29·5 ins. over our own north-west coasts. An irregularly "V" shaped depression travelling eastwards to the North Sea and the Netherlands by evening, and barometer rising decidedly over our Islands and France. Pressure giving way somewhat over Germany and Russia.

IV.—GENERAL NOTES.

The only definite anticyclone within our area was situated over Russia, where it usually lay over the central districts. But pressure was relatively high over the most southern regions of Europe or in Algeria and Morocco. Cyclonic systems were both large and deep and, coming from the Atlantic, passed either over our Islands or in their immediate neighbourhood. The earlier systems caused strong winds or gales over all the north-western countries but gradually dispersed after their centres had reached Scotland. The most important depression of the series arrived to our coasts on Wednesday morning, when its centre lay not far from the west coast of Donegal. At Malin Head the barometer at 8 a.m. was as low as 27·92 ins. The gales experienced over the United Kingdom during Tuesday night and early on Wednesday were of unusual strength in nearly all districts. On several parts of the western and southern coasts the extreme force of the wind by Beaufort Scale was estimated to be 10 or 11. The centre of the system remained outside our coasts and moved away northwards, while at the same time it appeared to decrease in depth. Some small secondary disturbances subsequently caused a renewal of the gale over the south of England and the Channel, but towards the end of the week the gradients became much less steep and a secondary depression that travelled north-eastwards from the Bay of Biscay was accompanied by very light winds. Rain or squalls and showers were very prevalent over these Islands, the west and north of France and the Netherlands, and thunderstorms were also experienced. A good deal of rain fell on the west coast of the Spanish Peninsula, but over southern Europe generally the weather was fine and dry although cyclonic disturbances were again rather prevalent over Italy and its vicinity.

Temperature sometimes exceeded 80° in Algeria and showed a considerable rise in the southern regions generally.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 62.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	9·7	−14·3	12	− 18
STRATHPEFFER SPA	20·7	+ 0·7	26	+ 1
CRATHES	20·8	—	26	—
BALRUDDERY	25·8	—	32	—
EDINBURGH	34·0	+12·6	42	+ 16
COCKLE PARK	47·6	—	59	—
NEWCASTLE-on-TYNE	27·0	—	33	—
SALTBURN-by-the-SEA	44·3	—	54	—
YORK	18·9	− 4·8	23	− 6
SKEGNESS	37·6	—	46	—
CROMER	32·1	—	39	—
LOWESTOFT	33·5	—	41	—
DUNMOW	28·9	—	35	—
SHEFFIELD	36·0	—	44	—
WORKSOP	28·2	+ 5·0	34	+ 6
MARGATE	31·6	+ 3·6	39	+ 4
BROADSTAIRS	—	—	—	—
RAMSGATE	35·1	—	43	—
EASTBOURNE	36·2	+ 5·2	44	+ 6
BRIGHTON	39·1	+ 5·6	48	+ 11
WORTHING	39·8	—	49	—
BOGNOR	41·1	—	50	—
VENTNOR HOSPITAL	35·9	+ 2·6	44	+ 3
BOURNEMOUTH	37·6	—	46	—
MARLBOROUGH	28·9	+ 4·6	35	+ 6
SOUTHPORT	40·1	—	49	—
RHYL	44·9	—	55	—
ABERDOVEY	39·5	—	48	—
TENBY	36·6	+ 4·4	45	+ 5
TORQUAY	39·0	+ 7·1	48	+ 9
NEWQUAY	33·7	+ 2·5	41	+ 3
GUERNSEY	34·5	+ 0·8	42	+ 1

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.

	NAMES OF STATIONS.	Temperature (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 5, page 26	Birr Castle	—	—	—	—	—	—	—	—	—	0·19	−0·41	—	—	—	—
No. 6, page 32	Stonyhurst	—	—	—	—	—	—	—	—	4	0·41	−0·45	—	—	—	—
No. 8, page 44	Clacton-on-Sea	—	—	—	—	—	—	—	—	—	0·13	—	—	—	—	—
" "	Cirencester	49	—	44·0	—	36·9	− 2·1	6	45	—	—	—	—	—	—	—
" "	Geldeston	—	—	—	—	—	—	—	—	—	0·23	−0·13	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 12. TWELFTH WEEK, ENDING SATURDAY, MARCH 25TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 68.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	59	30	48·9	37·5	43·0	4 above	26	+13	13	−17	96	+ 1	322	− 96
	1. SCOTLAND, EAST	66	27	50·2	35·9	42·8	3 above	31	+13	17	−15	140	+14	368	−104
	2. ENGLAND, N.E.	61	29	51·4	37·5	44·2	3 above	34	+14	13	−15	179	+41	293	−112
	3. ENGLAND, EAST	61	28	53·2	38·1	45·5	3 above	41	+15	11	−18	185	+21	295	−149
	4. MIDLAND COUNTIES	63	28	54·8	36·4	45·3	4 above	47	+20	16	−13	218	+34	320	−127
	5. ENGLAND, SOUTH	63	31	53·9	39·8	46·7	4 above	42	+15	6	−16	207	+ 4	241	−102
Principal Grazing Districts.	6. SCOTLAND, WEST	62	30	50·5	38·1	44·1	3 above	31	+13	11	−13	178	+40	225	−115
	7. ENGLAND, N.W.	63	29	53·2	37·2	45·5	3 above	45	+25	13	−10	209	+59	224*	−107
	8. ENGLAND, S.W.	61	30	53·6	39·9	46·5	3 above	40	+13	6	−12	233	+ 3	194	− 67
	9. IRELAND, NORTH	58	30	50·2	36·8	43·3	1 above	31	+ 7	15	− 5	212	+15	218	− 72
	10. IRELAND SOUTH	61	29	52·0	38·2	44·9	1 above	36	+ 6	11	− 3	312	+37	151	− 66
	— CHANNEL ISLANDS	60	42	53·6	44·8	49·1	3 above	50	+18	0	− 7	360	+52	55	− 55

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 68.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	8	0 (average)	71	+15	16·4	+ 4·9	11	−13	13	−15	123	− 37	16	− 5
	1. SCOTLAND, EAST	4	10	6 more	51	+ 5	5·9	− 0·9	13	−13	16	−15	190	− 19	24	− 3
	2. ENGLAND, N.E.	1	3	0 (average)	35	− 8	2·6	− 2·2	33	+ 1	39	+ 1	230	− 10	29	− 1
	3. ENGLAND, EAST	2	1	2 less	43	− 1	3·5	− 1·2	49	+16	57	+19	272	+ 40	33	+ 5
	4. MIDLAND COUNTIES	2	3	1 less	42	+ 1	4·2	− 1·4	31	+ 8	36	+ 9	206	+ 16	25	+ 2
	5. ENGLAND, SOUTH	3	3	1 less	44	+ 2	6·1	− 0·1	40	+ 9	48	+11	251	+ 28	31	+ 4
Principal Grazing Districts.	6. SCOTLAND, WEST	3	9	1 more	57	+ 7	12·0	− 0·5	22	− 5	26	− 6	208	+ 24	26	+ 3
	7. ENGLAND, N.W.	2	5	0 (average)	51	+ 5	6·6	− 0·7	29	+ 5	34	+ 6	210	+ 37	26	+ 5
	8. ENGLAND, S.W.	3	5	0 (average)	47	− 1	7·9	− 1·1	34	+ 3	40	+ 3	237	+ 11	29	+ 1
	9. IRELAND, NORTH	5	13	7 more	64	+ 9	9·6	+ 1·7	32	+ 6	37	+ 7	210	+ 16	26	+ 2
	10. IRELAND, SOUTH	6	19	13 more	57	+ 6	9·8	0·0	31	+ 2	37	+ 2	227	+ 1	28	0
	— CHANNEL ISLANDS	4	5	1 more	55	+ 3	7·4	− 0·3	32	− 4	37	− 5	258	− 14	31	− 2

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather during this period, although unsettled, was mostly fair and dry over England. In Ireland and Scotland the condition was cloudy and rainy. Thunder occurred at Dunmow on Tuesday, and a thunderstorm over the south-east of Scotland on Thursday.

Temperature was above the mean in all districts. In Ireland the excess was only 1°, but over Great Britain it amounted to 3° or 4°. The highest of the maxima and the lowest of the minima were recorded on rather irregular dates; at some English stations they both occurred on Wednesday. The former ranged from 66° in Scotland E. (at Leith on the 22nd) to 59° in Scotland N., and to 58° in Ireland N. The lowest of the minima varied from 27° in Scotland E. to 31° in England S., and to 42° in the Channel Islands.

Rainfall was much in excess of the mean in Scotland E. and over Ireland, slightly so in Scotland W. and the Channel Islands, and just equal to it in Scotland N. and England N.E., N.W., and S.W. Over the central, southern, and eastern parts of England the fall was less than the mean.

Bright Sunshine exceeded the normal duration in England and Ireland, but was deficient in Scotland and the Channel Islands. The percentage of the possible duration varied from 57 in England E. and 48 in England S. to 37 in Ireland and the Channel Islands, 16 in Scotland E., and to 13 in Scotland N.

Barometer and Wind. Although the changes in pressure were frequent they were neither rapid nor very large, none of the depressions which passed over our Islands or their immediate neighbourhood being of any serious depth. The winds, which were mainly between South and West, but sometimes Easterly in the south, were consequently mostly light or moderate in force, but in the extreme south-west and west they sometimes blew a strong breeze or moderate gale, and during the night of Thursday a fresh or strong gale from the North-Westward was experienced over the south-western districts in the rear of a small depression travelling eastwards.

3488 Wy. & S. Ltd.
370 3 | 05

II.—DATA from which the SUMMARY on page 67 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
March 19-25, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.				
O. SCOTLAND, N.	Sumburgh Head	48	37	45·1	39·9	42·4	+ 3·7	12	6	4	0·20	- 0·42	*	*	*	*
	Stornoway	53	35	49·6	39·6	44·5	+ 4·4	28	7	4	0·52	- 0·22	21·1	- 4·9	25	- 6
	Wick	51	33	48·1	38·1	43·0	+ 3·1	23	11	6	0·88	+ 0·44	*	*	*	*
	Lairg Ⓢ	54	31	49·9	36·5	43·0	+ 5·0	30	15	6	1·14	+ 0·46	*	*	*	*
	Glencarron Ⓢ	59	32	50·5	35·7	42·9	+ 4·1	33	18	5	1·00	- 0·41	*	*	*	*
	Fort Augustus Ⓢ	58	30	? 49·9	35·3	? 42·4	+ 2·1	31	19	3	0·73	+ 0·08	8·0	- 11·2	9	- 13
1. SCOTLAND, E.	Nairn	60	31	52·6	35·4	43·8	+ 3·5	40	18	3	0·92	+ 0·55	*	*	*	*
	Aberdeen	52	34	45·6	38·0	41·7	+ 1·0	10	16	3	0·97	+ 0·47	9·4	- 19·6	11	- 23
	Braemar Ⓢ	53	27	46·9	32·1	39·3	+ 2·5	14	37	4	1·23	+ 0·68	*	*	*	*
	Clathick Ⓢ	56	30	49·2	35·1	41·9	+ 1·3	20	27	4	1·30	+ 0·73	*	*	*	*
	Leith	66	33	54·3	38·9	46·4	+ 4·5	44	9	4	0·97	+ 0·67	*	*	*	*
	Marchmont Ⓢ	60	29	52·3	35·6	43·7	+ 4·0	39	18	3	0·86	+ 0·32	15·6	- 9·8	18	- 12
2. ENGLAND, N.E.	Alnwick Castle	53	29	49·0	37·0	42·8	+ 2·4	27	14	1	0·74	+ 0·22	*	*	*	*
	Durham	56	29	53·1	37·0	44·8	+ 4·4	41	14	1	0·36	- 0·08	24·5	- 2·2	29	- 3
	Shields	54	33	49·7	36·6	43·0	+ 1·8	30	15	1	0·56	+ 0·18	*	*	*	*
	Scarborough ℳ	55	38	49·0	39·1	43·9	+ 2·3	25	8	1	0·26	- 0·13	37·7	—	44	—
	Spurn Head	49	38	47·7	39·9	43·7	+ 2·3	21	6	1	0·19	- 0·06	*	*	*	*
	Lincoln	61	30	55·8	36·7	46·0	+ 3·9	50	15	1	0·11	- 0·19	*	*	*	*
	Fulbeck	61	32	55·2	36·1	45·4	+ 3·9	49	17	1	0·06	- 0·24	30·7	—	36	—
3. ENGLAND, E.	Hillington ℳ	61	33	56·8	36·7	46·5	+ 4·4	54	15	1	0·20	- 0·16	?42·5	+ 14·1	? 50	+ 17
	Yarmouth	49	37	47·6	40·6	44·0	+ 2·9	20	4	2	0·21	- 0·17	*	*	*	*
	Geldeston	59	28	55·5	35·5	45·2	+ 3·0	50	18	1	0·11	- 0·24	55·8	+ 24·9	66	+ 29
	Cambridge	61	31	56·8	37·2	46·7	+ 4·3	53	13	2	0·05	- 0·25	43·8	+ 13·8	52	+ 16
	Felixstowe	51	34	50·3	40·5	45·3	+ 3·0	29	4	1	0·07	—	52·6	—	62	—
	Clacton-on-Sea	56	35	50·3	40·0	45·0	+ 2·4	29	6	1	0·04	—	51·1	—	60	—
	Rothamsted	61	30	55·4	36·5	45·7	+ 4·0	49	15	3	0·18	- 0·20	39·2	+ 10·5	46	+ 12
	Shoeburyness	56	30	52·9	38·0	45·2	+ 2·5	39	11	1	0·06	- 0·21	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	58	32	53·4	36·1	44·5	+ 4·3	42	17	2	0·37	- 0·12	31·2	—	37	—
	Bawtry (Hesley Hall)	63	28	56·9	32·7	44·4	+ 2·3	56	26	2	0·13	- 0·27	*	*	*	*
	Nottingham	59	31	55·6	35·9	45·5	+ 3·0	50	17	2	0·09	- 0·25	30·6	—	36	—
	Colly Weston (Stamford)	61	32	56·7	35·7	45·9	+ 3·5	54	18	2	0·02	- 0·32	*	*	*	*
	Cheadle ℳ	57	30	52·3	36·8	44·3	+ 3·5	38	15	2	0·28	- 0·19	*	*	*	*
	Birmingham (Edgbaston)	59	34	53·7	38·6	45·9	+ 4·4	42	10	2	0·45	+ 0·10	27·1	—	32	—
	Shrewsbury	60	31	54·1	36·8	45·2	+ 3·0	44	15	3	0·45	—	*	*	*	*
	Hereford ℳ	60	29	54·2	36·1	44·9	+ 2·2	45	17	2	0·33	- 0·02	*	*	*	*
	Cirencester	59	30	54·1	37·5	45·6	+ 4·3	44	13	2	0·44	+ 0·02	37·9	+ 9·3	45	+ 11
	Oxford	61	33	56·6	37·9	47·0	+ 4·2	52	11	2	0·30	- 0·03	38·2	+ 10·0	45	+ 12
	Westminster	61	37	56·0	40·4	48·0	+ 4·2	49	4	2	0·12	—	31·4	+ 13·4	37	+ 16
5. ENGLAND, S.	London (Brixton)	63	34	57·4	38·6	47·7	+ 4·3	54	10	2	0·12	- 0·21	28·7‡	+ 7·5‡	34‡	+ 9‡
	Wisley (Surrey)	61	33	55·5	37·4	46·2	+ 2·9	49	13	2	0·23	—	39·2	—	46	—
	Swarraton (Alresford) ℳ	61	31	54·9	36·9	45·6	+ 4·2	47	14	4	0·45	0·00	*	*	*	*
	Tunbridge Wells ℳ	59	34	54·6	38·4	46·3	+ 4·5	45	10	2	0·20	—	45·9	—	54	—
	Dungeness	54	37	51·6	41·6	46·5	+ 4·2	33	1	3	0·24	- 0·09	41·6	—	49	—
	Hastings (St. Leonards)	54	39	52·5	41·9	47·0	+ 4·4	35	0	2	0·21	- 0·22	44·6	+ 11·1	53	+ 13
	Southampton	62	38	56·2	41·5	48·6	+ 4·4	48	1	3	0·40	- 0·04	39·2	+ 8·0	46	+ 9
	Portland Bill	53	41	51·1	42·9	46·9	+ 2·3	34	0	4	0·42	—	*	*	*	*
	Shaftesbury ℳ	59	38	51·5	39·3	45·2	+ 3·4	34	8	4	0·41	- 0·05	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	57	35	51·7	40·3	45·8	+ 3·8	34	5	4	1·56	+ 0·28	*	*	*	*
	Glasgow	58	36	50·0	39·7	44·7	+ 3·7	29	6	4	0·65	+ 0·13	12·4	- 9·1	15	- 11
	Cally Ⓢ	51	30	48·6	35·6	41·9	+ 0·5	18	26	3	0·37	- 0·35	*	*	*	*
	Aspatria	62	34	52·3	38·5	45·2	+ 4·1	37	10	1	0·21	—	21·5	—	25	—
	Douglas (Isle of Man)	54	31	49·8	36·2	42·8	+ 0·7	30	16	2	1·60	+ 1·01	31·3	- 1·3	37	- 2
7. ENGLAND, N.W.	Newton Rigg	59	29	52·8	35·0	43·6	+ 3·7	41	20	2	0·29	—	23·3	—	27	—
	Stonyhurst	57	34	51·5	39·0	45·1	+ 4·0	34	8	2	0·23	- 0·49	31·1	+ 5·0	37	+ 6
	Blackpool ℳ	59	34	52·8	38·5	45·4	+ 3·8	39	10	2	0·29	- 0·15	31·9	+ 5·9	38	+ 7
	Manchester (Prestwich)	59	36	54·2	39·0	46·4	+ 4·9	43	8	3	0·41	- 0·13	30·1	—	35	—
	Liverpool Obsy. (Bidston)	57	36	52·3	40·0	46·0	+ 3·5	36	6	2	0·49	+ 0·13	25·1	—	30	—
	Chester (Hawarden Bridge)	58	31	54·5	38·4	46·2	+ 3·0	45	10	2	0·42	—	*	*	*	*
	Llandudno ℳ	61	37	53·8	40·2	46·8	+ 3·3	41	5	2	0·49	+ 0·07	30·1	+ 3·2	35	+ 4
	Holyhead	58	36	51·3	39·7	45·3	+ 1·9	33	6	2	1·09	+ 0·61	*	*	*	*
	Bettws-y-Coed	63	33	55·3	35·4	45·1	+ 1·5	49	18	2	0·42	—	29·2	—	34	—
8. ENGLAND, S.W.	Llangammarch Wells	61	30	53·2	35·6	44·1	+ 2·9	42	18	3	0·52	—	28·4	—	33	—
	Pembroke	53	39	49·9	42·4	46·0	+ 2·7	28	0	3	0·58	+ 0·09	40·4	+ 7·8	48	+ 9
	Cardiff	60	35	54·6	38·5	46·3	+ 2·4	45	10	3	0·44	—	*	*	*	*
	Clifton	61	39	56·0	40·4	48·0	+ 4·8	49	4	3	0·43	- 0·07	*	*	*	*
	Bath	61	35	54·6	39·4	46·8	+ 4·0	45	7	4	0·41	- 0·03	31·4	—	37	—
	Arlington (N. Devon)	60	36	52·7	38·9	45·6	+ 4·2	38	9	3	0·62	- 0·13	*	*	*	*
	Cullompton ℳ	61	34	55·2	38·7	46·7	+ 2·6	47	9	3	0·48	- 0·05	23·3	- 6·7	27	- 8
	Falmouth	54	40	52·0	42·9	47·3	+ 2·6	37	0	5	0·65	- 0·04	38·4	+ 4·7	45	+ 6
	Plymouth	61	37	54·5	42·1	48·1	+ 3·5	43	0	3	0·53	- 0·02	40·8	+ 8·3	48	+ 10
9. IRELAND, N.	Malin Head	56	36	50·3	38·1	44·0	+ 1·2	30	11	4	0·71	+ 0·25	*	*	*	*
	Edenfel (Omagh)	58	31	50·0	35·4	42·5	+ 1·4	31	18	6	1·60	+ 1·06	*	*	*	*
	Blacksod Point	52	34	49·3	39·1	44·1	- 0·2	27	8	6	1·42	+ 0·66	*	*	*	*
	Markree Castle	56	30	51·6	36·0	43·6	+ 1·2	36	17	5	1·87	+ 1·25	31·7	+ 6·0	37	+ 7
	Armagh	58	30	51·4	35·8	43·4	+ 1·6	36	17	6	1·09	+ 0·65	31·4	+ 6·1	37	+ 7
	Donaghadee	53	35	48·7	36·4	42·4	- 0·3	26	16	4	0·96	+ 0·56	*	*	*	*
10. IRELAND, S.	Dublin	61	33	52·6	38·6	45·4	+ 1·3	38	10	4	0·94	+ 0·51	29·0	- 0·9	34	- 2
	Birr Castle	56	30	51·6	35·3	43·2	+ 0·4	37	19	6	1·43	+ 0·93	36·7	+ 9·4	43	+ 11
	Kilkenny	56	29	51·6	38·0	44·6	+ 0·9	35	11	5	1·04	+ 0·57	*	*	*	*
	Waterford	54	30	51·3	39·4	45·2	+ 1·8	33	7	6	1·91	+ 1·33	*	*	*	*
	Roche's Point	55	32	51·0	38·9	44·8	- 0·1	33	9	6	2·25	+ 1·55	*	*	*	*
	Valencia	53	32	51·0	38·0	44·3	- 1·6	33	11	7	3·57	+ 2·71	27·6	- 4·1	33	- 5
	Killarney	59	31	54·4	38·7	46·3	+ 1·2	44	9	5	2·51	+ 1·70	*	*	*	*
	Foynes	56	36	52·6	38·4	45·3	+ 1·3	38	10	5	1·47	+ 0·93	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	55	42	53·1	44·9	48·9	+ 2·6	48	0	5	0·45	- 0·05	38·4	+ 4·2	45	+ 5
	Jersey (St. Aubyn's)	60	43	54·0	44·6	49·2	+ 3·8	50	0	3	0·63	+ 0·14	24·6	- 12·4	29	- 15

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

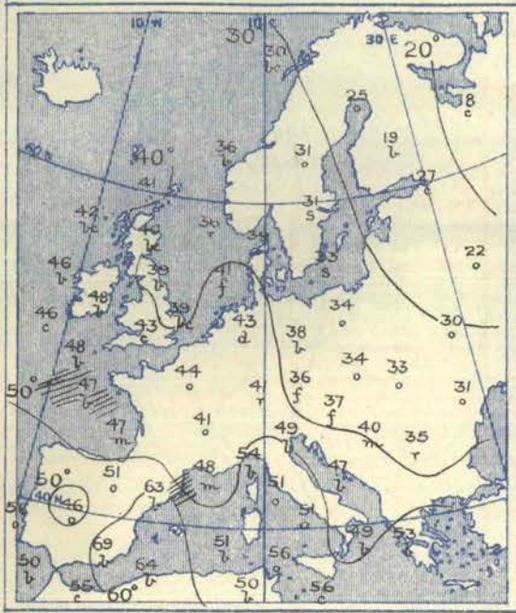
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

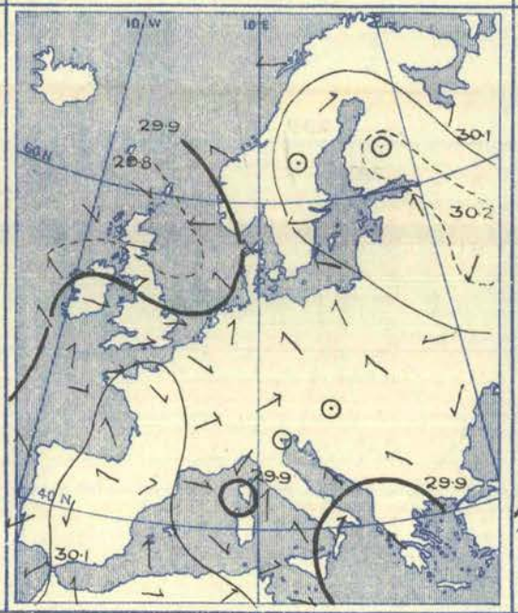
Note.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 19th March, 1905.

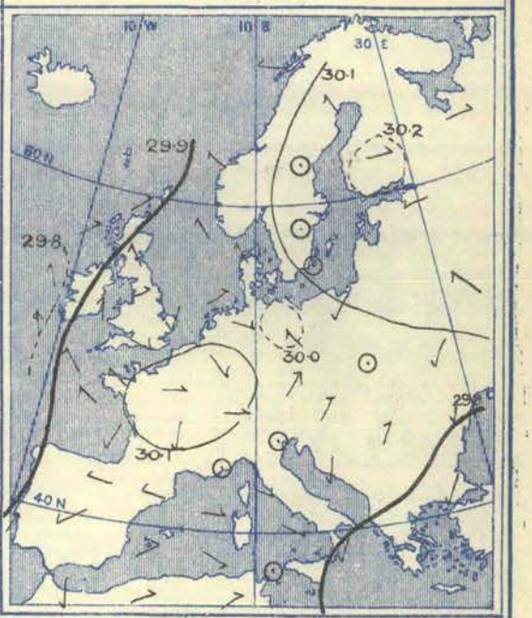
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in most parts of these Islands, several parts of southern Europe, and the north-west of Norway. Cloudy or overcast over our area generally, with rain at Nairn, Skudesnaes, Aix-la-Chapelle, and Munich, and snow in the south of Sweden. Nearly an inch of rain falling later in the south-west of Ireland, and some sporadic falls occurring on the Continent.

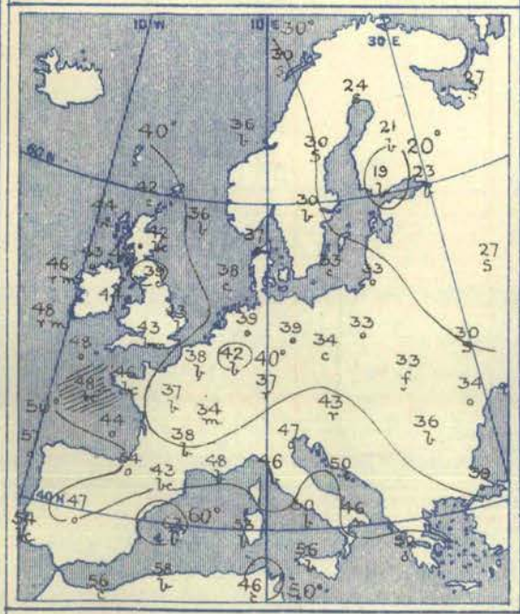
Temperature changed irregularly, but fallen in most regions. Morning values ranging from 64° at Algiers and Palma and 58° at Oporto to below 40° at some of our own stations, in most parts of central Europe, and in Norway, to below 30° over Russia. Lowest reading, 18° at Archangel. Rising subsequently to 73° at Sfax, 72° at Madrid, and to above 60° in many places. Maxima in our Islands ranging from 57° at Leith and 56° or 55° in several localities to 47° in the Shetlands.

Wind at 8 a.m. very light and rather variable. Westerly over Great Britain and Southerly to South-Easterly or Easterly over the countries lying to the eastward of the North Sea. Southerly to South-Easterly in Ireland. Wind backing to the Southward in most parts of our Islands during the ensuing twenty-four hours, but with scarcely any increase in force.

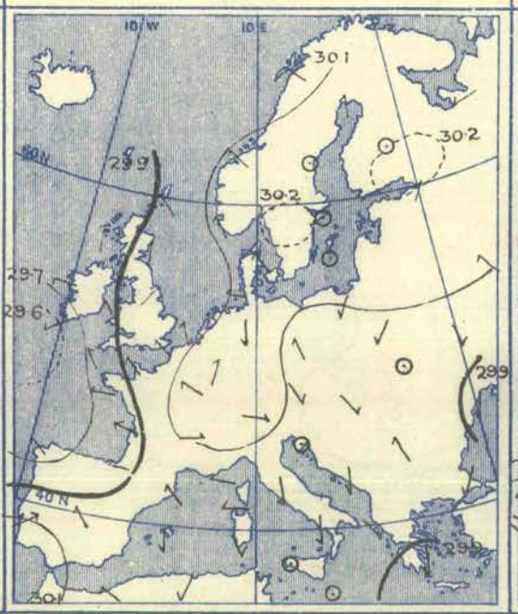
Barometer at 8 a.m. highest, 30·2 ins. and upwards over Finland and northern Russia, and above 30·1 ins. over Algeria and the major portion of France and Spain. Lowest, below 29·8 ins. in a shallow depression over the northern halves of Scotland and the North Sea, and below 29·9 ins. in another system over the Balkan Peninsula. Pressure decreasing later over Ireland, the south-west of England, the west of France, and Spain. Depression over Scotland and the North Sea entirely dispersing by evening.

Monday, 20th March, 1905.

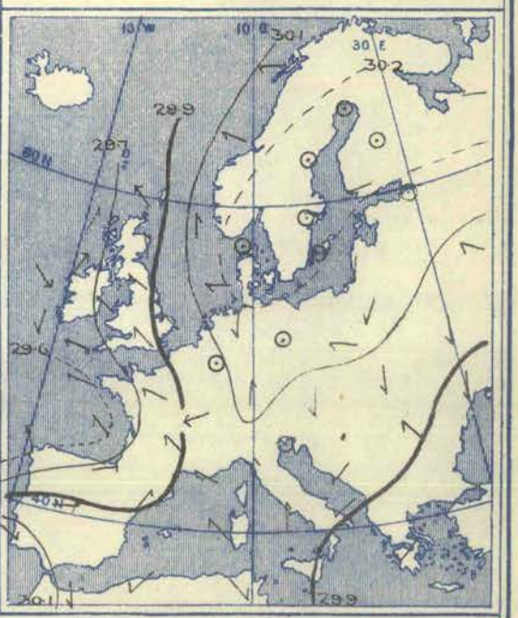
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in most parts of Great Britain, France, the Netherlands, and in several Mediterranean regions. Cloudy or overcast in most other localities, with rain in Ireland, at some stations in central Europe, and at Nicolaieff and Brindisi, and snow in various parts of Scandinavia, Russia, and at Swinemünde. Heavy rain falling later in the south of Ireland, and a smaller quantity in the west and north-west of our Islands generally and in a few Continental districts, but more than an inch reported at Brindisi.

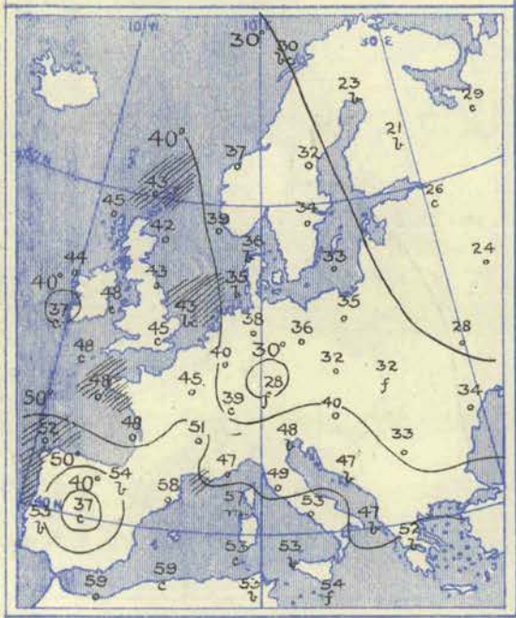
Temperature changed irregularly. Morning readings ranging from 63° at Palma and 62° at Barcelona to below 40° in most parts of France and the central countries, and to below 30° in the north of Scandinavia, over Finland and Russia. Lowest reading, 19° at Helsingfors. Rising later to 56° in some parts of England and Wales, to 60° at Paris, 73° at Biarritz, and to nearly as high on the coast of Algeria. Thermometer only touching 52° at Athens.

Wind in morning light and from no general direction over the greater part of our area. Southerly or South-Easterly over most British localities and Easterly in the west of Ireland. Light or moderate in force as a whole, but fresh or strong over our south-west coasts. Fresh or strong from the South-Westward in Portugal and moderate from East over the Bay of Biscay. Shifting to the Northward on the west coast of Ireland later and to the Westward in Portugal.

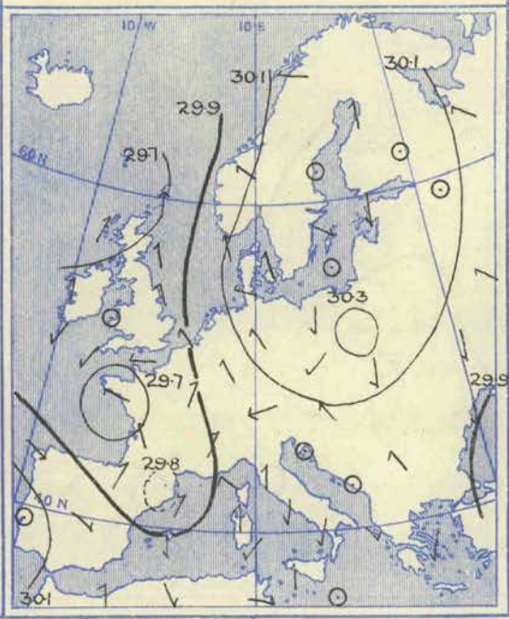
Barometer at 8 a.m. highest, 30·1 ins. to 30·2 ins. and above in a large irregularly shaped high pressure system extending from Germany to northern Europe. Lowest, below 29·6 ins. in a depression off the south-west of Ireland, and nearly as low over the Bay of Biscay. Barometer falling decidedly over the latter region later in day, and the gradients becoming very steep between Oporto and Corunna. Pressure increasing somewhat over northern Europe.

Tuesday, 21st March, 1905.

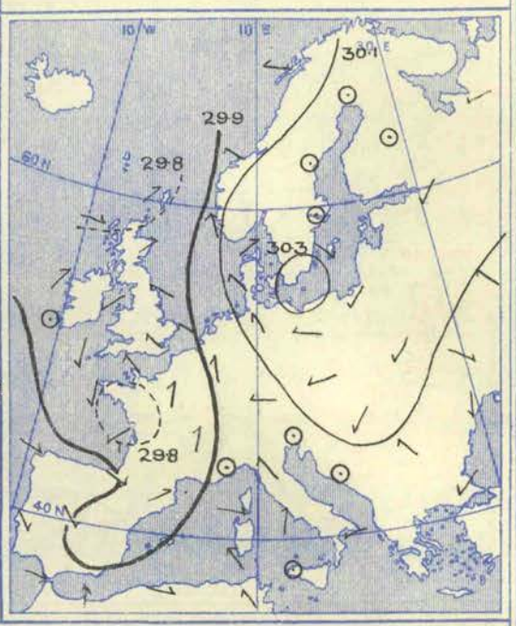
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in several parts of southern Europe and the centre and east of England; cloudy or overcast in most other regions, with rain at Wick and Prague. Rain falling later in Algeria, Spain, and France—largest quantities, 0·6 in. at Cette and Rochefort and 0·9 in. at Clermont. A thunderstorm experienced at the last named station.

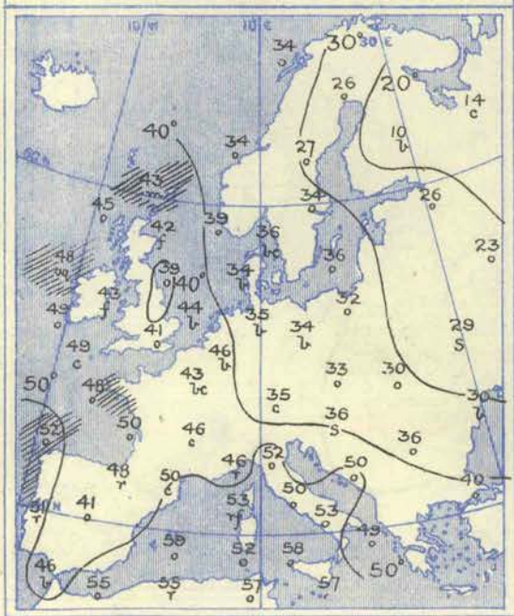
Temperature risen in most places. Morning readings highest, 59° at some Algerian stations and 58° at Barcelona. Lowest, 21° at Kuopio, below 30° over Russia and the north of Sweden as well as at Munich. No higher than 37° at Madrid and Valencia (Ireland). Rising later to 61° at Plymouth and Bettws-y-Coed, to a few degrees higher at some stations in southern Europe, to 70° at Algiers, 74° at La Calle, and 75° at Tunis. Frost continuing all day in the extreme north-east.

Wind in morning anticyclonic over the Baltic and the neighbouring regions; cyclonic elsewhere. The chief circulation prevailing over the Bay of Biscay, but winds light or moderate in almost all parts of our area. No change of importance occurring later.

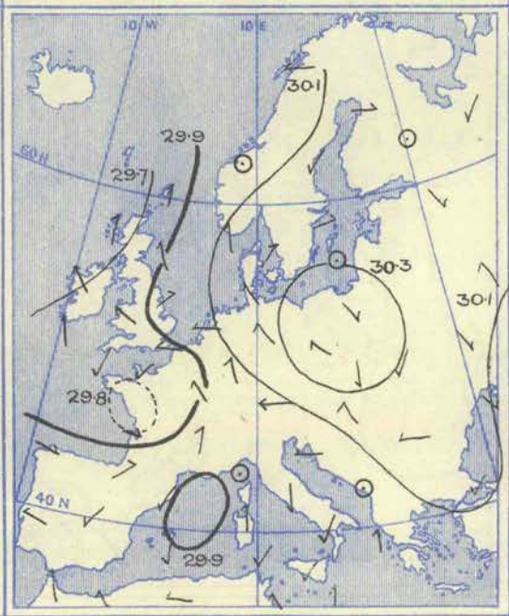
Barometer at 8 a.m. highest, 30·2 ins. to about 30·3 ins. in a large irregularly shaped anticyclone covering the Baltic, Denmark, Prussia, the Gulf of Bothnia, and Finland; relatively high over Portugal. Lowest, less than 29·7 ins. in a depression over Brittany and its vicinity and also in another system over and to the north-westward of our most northern coasts. A smaller minimum—less than 29·8 ins.—shown near Perpignan. Depressions moving slowly eastwards later and becoming rather less deep.

Wednesday, 22nd March, 1905.

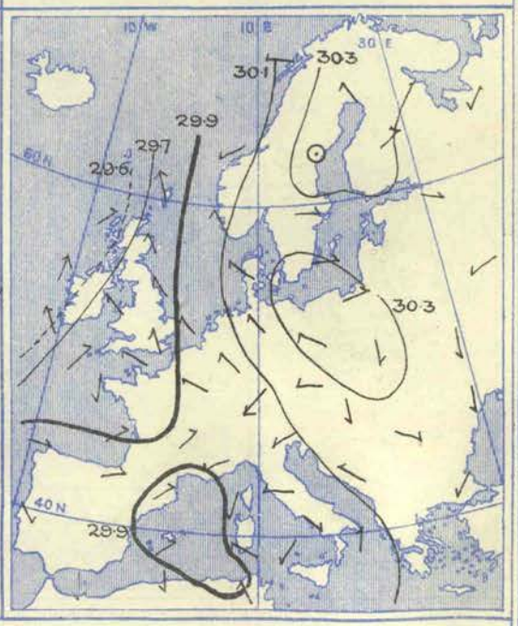
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. foggy in various parts of Great Britain, but fair or fine over our Islands as a whole, as well as in the Netherlands, North Germany, and Denmark. Cloudy or overcast over our area generally, with rain in Portugal, at Algiers, in the southern parts of France, and in Corsica, and snow at Buda-Pesth, Kiev, and Helsingfors. Heavy rain later in Ireland, many parts of France and at isolated stations in Italy, and a thunderstorm at Perpignan—heaviest rain, 0·7 in. at Valencia and 2·3 ins. at Cette.

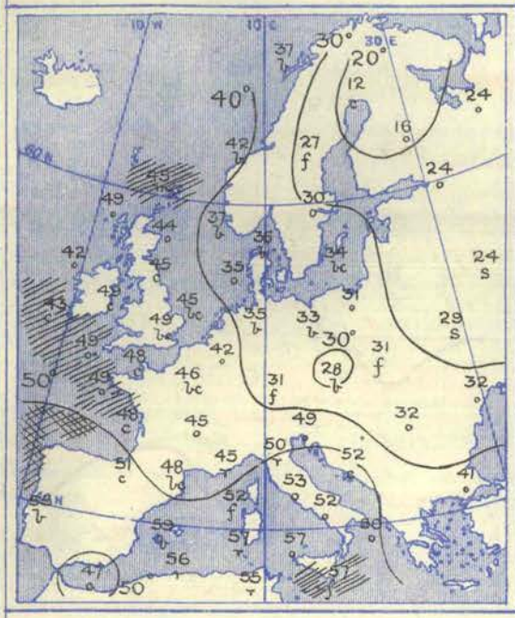
Temperature fallen in most regions. Morning readings highest, 59° at Barcelona and Palma, 58° at Palermo, and 57° at Malta. Lowest, 10° at Kuopio, 14° at Archangel, below the freezing point in most parts of Russia, Finland, and the north of Sweden, and not much above it over central Europe and central England. Rising later to 66° at Leith, 61° in London, at Bath and Oxford, to 64° on the coast of Algeria and at Florence, and to 70° at Palermo. Thermometer not rising above 56° at Nice and other southern French stations.

Wind at 8 a.m. showing an extensive anticyclonic circulation over the northern half of the Continent, and smaller, but complete, cyclonic movements over the Gulf of Lions and the north of France. A Southerly or South-Easterly wind prevailing in Ireland and Scotland. A strong breeze blowing at Blacksod Point, but nothing except light or moderate winds reported over our area generally. Some increase in force taking place in Ireland by afternoon, but little change elsewhere.

Barometer in morning ranging from above 30·3 ins. in an anticyclone centred over the Baltic and North Germany to below 29·7 ins. in a depression off our own north-west coasts. Relatively low in smaller systems lying respectively over the north-west of France and the Gulf of Lions. Western disturbance encroaching over the United Kingdom during day and gradients becoming steeper. Little change occurring in the general distribution of pressure.

Thursday, 23rd March, 1905.

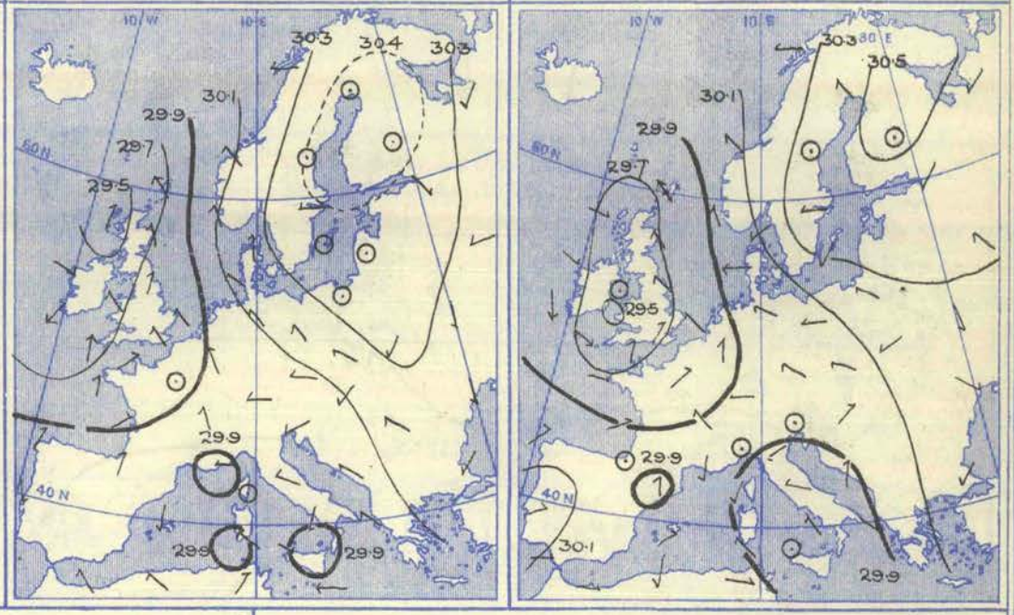
Temperature and Weather. 8 a.m.



Weather at 8 a.m. rainy in Ireland, the north of Italy, the Riviera, and in various parts of Algeria. Fine and bright in Norway, the Netherlands, most parts of Germany, and at some English stations, cloudy or overcast elsewhere, with snow in some Russian localities. Rain falling very generally later over the United Kingdom and the southern countries—heaviest amounts, 0·8 in. at Holyhead, 0·7 in. at Donaghadee, 0·6 in. at Nairn, 1·1 in. at Florence, and 1·4 in. at Brindisi.

Temperature fallen in most regions, but risen over Great Britain. Morning readings highest, 59° at Palma, 57° at Malta, 55° at Lisbon and Corunna. Lowest, 12° at Haparanda, below 32° in the central and north-eastern regions generally, and 35° in Denmark. Rising subsequently to 60° at Southport and Manchester, to about the same level at some French and Italian stations, to 68° at Palma, and to 70° at Sfax. Only touching 48° at Constantinople and 53° at Rome.

Barometer and Wind. 8 a.m. and 6 p.m.

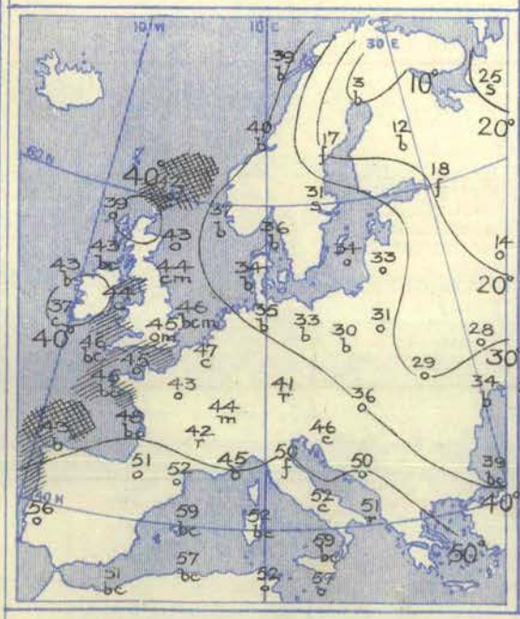


Wind in morning Northerly or North-Westerly in Ireland, South-Easterly or Southerly over Great Britain. Anticyclonic over the greater part of the Continent, cyclonic over the Mediterranean and Italy. Scarcely any force beyond a light breeze in any part of our area. A complete cyclonic circulation setting in over our Islands by evening; force increasing on our west and south-west coasts to a fresh or strong breeze or slight gale during night.

Barometer at 8 a.m. ranging from above 30·4 ins. in an anticyclonic system centred over the Gulf of Bothnia and its vicinity to less than 29·5 ins. in a depression off the west of Scotland and in a very small minimum in the south-east of Ireland. Below 29·9 ins. in some shallow depressions over the south of our area. Irish and Scotch disturbances moving eastwards across these Islands later, and a considerable increase in the baric gradient taking place in the west and south-west. Pressure increasing briskly on our west and north-west coasts.

Friday, 24th March, 1905.

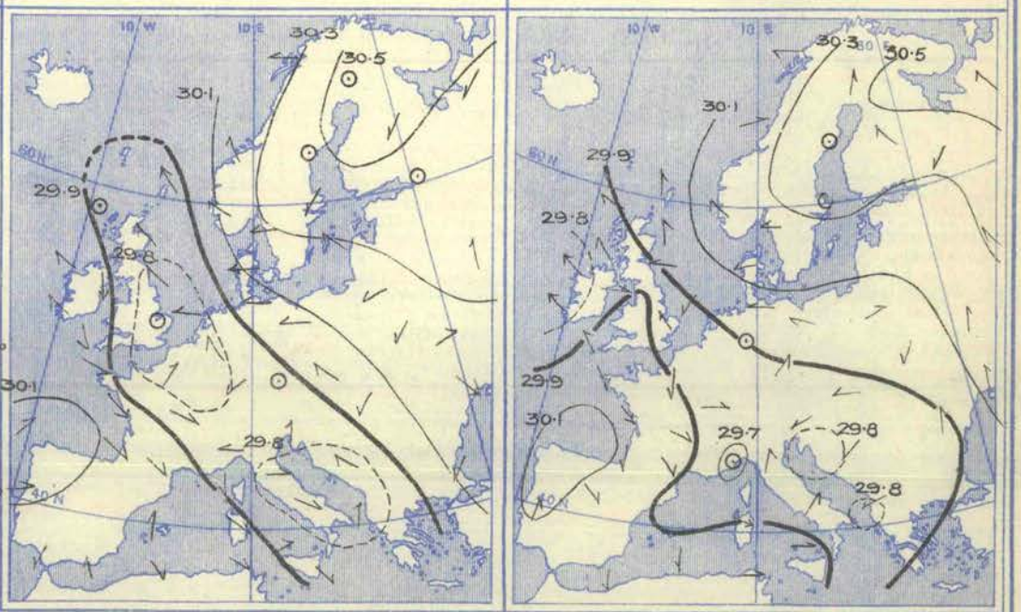
Temperature and Weather. 8 a.m.



Weather at 8 a.m. varying greatly; fine and bright in a few localities, but cloudy or overcast in the majority, and rainy in the north of Scotland, several parts of France and Italy, and also at Munich. Snow falling at Archangel. Considerable or heavy rain later in the south of Ireland and Italy, and heavy snow at Kharkov.

Temperature changed irregularly. Morning readings highest, 59° at Palermo and Palma, 57° at Algiers, 56° at Lisbon. Lowest, (1) 3° at Haparanda, 12° at Kuopio, 14° at Moscow, (2) 33° at Parsonstown, 37° at Valencia, (3) 36° at Turin. Rising later to 57° in London and at Oxford to 60° or a little above in many southern regions of Europe, to 68° at Madrid, and to 72° at Algiers. Freezing hard all day in the north of Sweden.

Barometer and Wind. 8 a.m. and 6 p.m.

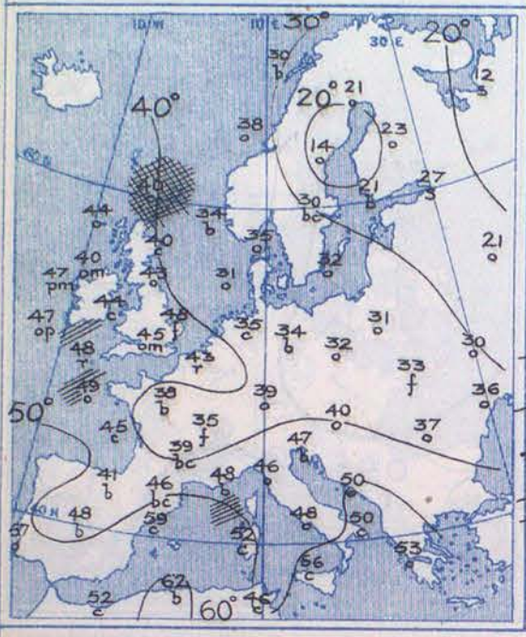


Wind in morning anticyclonic in the north-east and south-west of our area and cyclonic over the intervening regions. North-Westerly current fresh to a moderate gale on our west and south-west coasts and in the west and north-west of France. Latter subsiding by evening, but wind backing to the South-Eastward in Ireland and increasing to a slight gale on the south coast of that country.

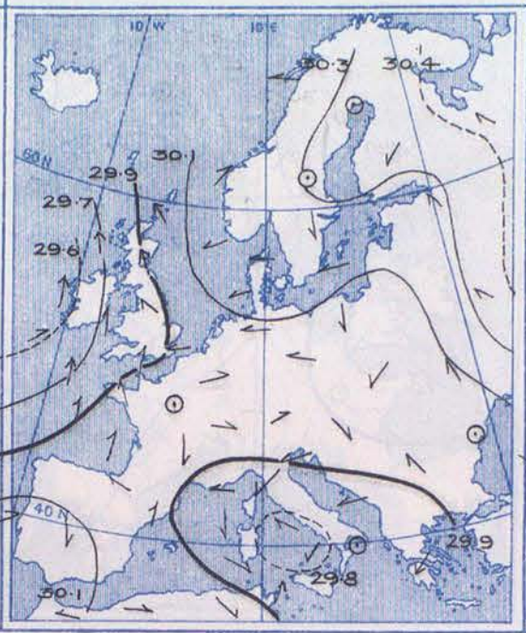
Barometer at 8 a.m. ranging from above 30·5 ins. in an anticyclone over Finland and above 30·1 ins. over the north of Spain to below 29·8 ins. (1) in a shallow depression covering Italy and the Adriatic, and (2) in another system with rather steeper gradients extending from Shields to Belfort. Barometer falling briskly later in Ireland, rising over the east of Great Britain and the North Sea. Another depression forming over the Gulf of Genoa.

Saturday, 25th March, 1905.

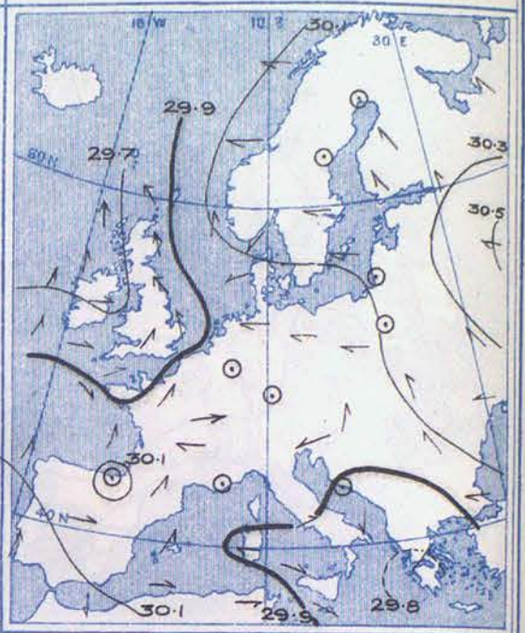
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast in almost all regions, with rain in several parts of our Islands and the southern half of the Continent, and snow in North Germany, Finland, at Archangel and Karlstad. Rain falling later in Greece, Portugal, and Italy, many other southern regions, and becoming general over the United Kingdom. Falls heaviest at Athens, Naples, and on our own north-east coasts.

Temperature fallen in most places. Morning values ranging from 62° at Algiers, 59° at Barcelona, and about 50° in the south generally to about 32° at some stations in central Europe, to 21° at Moscow, 14° at Hernösand, and 12° at Archangel. Rising later to above 70° in Algeria, to 68° at Madrid, to 60° or a little higher at some other southern stations. Thermometer remaining below 50° in several parts of our Islands, and only just touching that value in London.

Wind in morning Southerly to South-Easterly over our Islands, fresh or strong in the West and North, light elsewhere. A complete circulation of light to fresh cyclonic winds prevailing over Italy and its vicinity. Veering to the Westward over the southern counties of Ireland, and England by evening, but remaining Southerly or South-Easterly in the more northern and north-western parts of the Kingdom. Little change over Europe generally.

Barometer at 8 a.m. highest 30·4 ins. and upwards in the north of Russia and above 30·1 ins. over Spain and Portugal. Lowest, 29·6 ins. and less over our most western coasts, and below 29·8 ins. over the centre of Italy. Secondary depressions travelling eastwards across our Islands during day and pressure recovering in the west and south-west. Italian disturbance partially dispersing, and Russian anticyclone giving way on its northern side.

IV.—GENERAL NOTES.

During this week there was a marked absence of deep cyclonic depressions and also of important anticyclonic systems. The barometer was, however, generally highest over Russia and relatively high in the extreme south-west of our area, while the disturbances were shown either in our Islands or their immediate neighbourhood and over the western half of the Mediterranean. The winds were somewhat variable in direction, when not under the direct influence of a depression, and rarely stronger than a light or moderate breeze except on our own west and south-west coasts and in the Bay of Biscay region. Heavy rain was frequent in Ireland and also in various parts of Italy and its vicinity, while smaller amounts of rain or snow were experienced in most northern regions. Temperature was rather high over the United Kingdom, but lower than during the preceding week in the south of Europe and over Algeria. Severe or sharp frost was general every night over the extreme north and north-east of our area, and the daily maxima also were sometimes below the freezing point.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 68.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	8·9	−17·4	11	− 20
STRATHPEFFER SPA	4·5	−17·5	5	− 21
CRATHES	12·0	—	14	—
BALRUDDERY	16·6	—	20	—
EDINBURGH	13·6	− 9·4	16	− 11
COCKLE PARK	19·7	—	23	—
NEWCASTLE-on-TYNE	14·6	—	17	—
SALTBURN-by-the-SEA	42·6	—	50	—
YORK	28·8	+ 3·2	34	+ 4
SKEGNESS	45·7	—	54	—
CROMER	55·4	—	65	—
LOWESTOFT	58·3	—	69	—
DUNMOW	44·1	—	52	—
SHEFFIELD	22·8	—	27	—
WORKSOP	27·6	+ 3·0	33	+ 4
MARGATE	46·7	+ 16·7	55	+ 20
BROADSTAIRS	51·1	—	60	—
RAMSGATE	50·2	—	59	—
EASTBOURNE	46·6	+ 13·3	55	+ 16
BRIGHTON	48·7	+ 16·0	57	+ 19
WORTHING	44·0	—	52	—
BOGNOR	42·8	—	50	—
VENTNOR HOSPITAL	41·0	+ 5·5	48	+ 6
BOURNEMOUTH	40·2	—	47	—
MARLBOROUGH	31·2	+ 4·8	37	+ 6
SOUTHPORT	28·8	—	34	—
RHYL	29·8	—	35	—
ABERDOVEY	32·6	—	38	—
TENBY	43·7	+ 9·0	51	+ 11
TORQUAY	42·8	+ 8·4	50	+ 10
NEWQUAY	33·7	+ 0·5	40	+ 1
GUERNSEY	31·5	− 4·9	37	− 6

Reports received too late for insertion in their proper places.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 5, page 30	Broadstairs	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 7, page 38	Sumburgh Head	47	20	44·7	34·6	39·7	+ 1·4	8	28	7	0·83	+0·07	35·2	—	56	—
No. 9, page 50	Broadstairs "	45	34	41·9	36·0	38·9	+ 1·1	0	32	6	0·46	−0·24	—	—	—	—
No. 9, page 54	"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 10, page 60	"	—	—	—	—	—	—	—	—	—	—	—	30·2	—	40	—
No. 11, page 66	"	—	—	—	—	—	—	—	—	—	—	—	17·1	—	22	—
													33·7	—	41	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 13. THIRTEENTH WEEK, ENDING SATURDAY, APRIL 1ST, 1905. *[Price 6d. Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 74.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	56	31	48·2	36·8	42·3	2 above	24	+ 7	15	- 11	120	+ 8	343	- 107
	1. SCOTLAND, EAST	54	31	49·7	35·8	42·5	1 above	30	+ 7	17	- 11	170	+21	385	- 115
	2. ENGLAND, N.E.	56	32	52·5	38·3	45·2	3 above	38	+15	10	- 13	217	+56	303	- 125
	3. ENGLAND, EAST	58	32	54·2	39·6	46·7	3 above	43	+13	7	- 17	228	+34	302	- 166
	4. MIDLAND COUNTIES	60	32	53·9	38·4	46·0	3 above	43	+11	10	- 14	261	+45	330	- 141
	5. ENGLAND, SOUTH	60	34	53·2	40·6	46·7	3 above	39	+ 7	4	- 14	246	+11	245	- 116
Principal Grazing Districts.	6. SCOTLAND, WEST	53	30	49·0	38·7	43·7	1 above	26	+ 2	9	- 11	204	+42	234	- 126
	7. ENGLAND, N.W.	54	33	50·8	40·1	45·3	2 above	31	+ 6	5	- 14	240	+65	229	- 121
	8. ENGLAND, S.W.	59	31	53·0	40·7	46·7	3 above	38	+ 7	4	- 11	271	+10	198	- 78
	9. IRELAND, NORTH	55	32	51·1	37·8	44·2	1 above	33	+ 5	12	- 5	245	+20	230	- 77
	10. IRELAND SOUTH	57	32	52·8	39·5	46·0	1 above	39	+ 5	7	- 5	351	+42	158	- 71
	— CHANNEL ISLANDS	57	40	54·2	44·7	49·3	3 above	51	+15	0	- 5	411	+67	55	- 60

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 74.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	12	5 more	78	+17	17·6	+ 5·4	30	+ 4	34	+ 4	153	- 33	18	- 4
	1. SCOTLAND, EAST	5	5	0 (average)	56	+ 7	6·4	- 0·9	33	+ 5	37	+ 5	223	- 15	26	- 2
	2. ENGLAND, N.E.	4	3	1 less	39	- 7	2·9	- 2·3	42	+10	47	+11	272	0	31	0
	3. ENGLAND, EAST	4	2	2 less	47	0	3·7	- 1·3	40	+ 9	45	+10	312	+ 49	35	+ 5
	4. MIDLAND COUNTIES	4	5	1 more	46	+ 2	4·6	- 1·4	40	+10	46	+12	246	+ 27	27	+ 3
	5. ENGLAND, SOUTH	4	2	2 less	48	+ 3	6·3	- 0·3	37	+ 4	42	+ 5	288	+ 33	32	+ 4
Principal Grazing Districts.	6. SCOTLAND, WEST	7	13	6 more	64	+11	13·3	+ 0·1	37	+ 6	42	+ 6	245	+ 29	28	+ 3
	7. ENGLAND, N.W.	5	8	4 more	56	+ 7	7·4	- 0·4	41	+15	47	+17	251	+ 52	28	+ 6
	8. ENGLAND, S.W.	4	6	1 more	51	0	8·5	- 1·0	35	+ 1	40	+ 1	272	+ 11	30	+ 1
	9. IRELAND, NORTH	6	6	1 more	70	+11	10·2	+ 1·7	46	+18	52	+20	256	+ 35	29	+ 4
	10. IRELAND, SOUTH	6	5	1 less	63	+ 8	10·3	- 0·2	41	+10	47	+11	268	+ 10	30	+ 1
	— CHANNEL ISLANDS	4	7	2 more	59	+ 3	8·1	- 0·1	37	- 2	42	- 2	295	- 15	32	- 2

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was again changeable and unsettled, but some improvement took place in all except the most north-western and northern districts towards the end of the week. Hail showers occurred from time to time in the north-western parts of the Kingdom, and thunder was reported at Fulbeck on Saturday.

Temperature was above the mean in all districts, the excess in nearly all parts of England being 3°. The highest of the maxima were registered, as a rule, towards the end of the week, and ranged from 60° in England S. and the Midland Counties to 53° in Scotland N. and W. The lowest of the minima, which were observed on Sunday at most northern stations and on Saturday in the south, ranged from 30° in Scotland W. and 31° in England S.W. and Scotland N. and E. to 34° in England S., and to 40° in the Channel Islands.

Rainfall exceeded the mean in most districts, but only just equalled it in Scotland E. and was rather deficient in the south and east of England and also in the south of Ireland.

Bright Sunshine was more than the mean in all districts except the Channel Islands. The percentage of the possible duration ranged from 52 in Ireland N. and 47 in England N.E. and N.W. and Ireland S. to 34 in Scotland N.

Barometer and Wind. The only depressions to pass immediately over the United Kingdom were some secondary systems during the earlier part of the week, the centres of the primary disturbances remaining outside our coasts as they moved in a general north-easterly direction to northern Europe. Towards the end of the period all our more southern districts came under the influence of an anticyclone which moved northwards from the Peninsula and the Bay of Biscay. With this distribution of pressure the winds were between South and West. They sometimes blew freshly or strongly on exposed parts of our western coasts, but as the gradients were nearly always slight or moderate, the force of the wind was generally very light.

3508 Wy. & S. Ltd.
370 3 | 05

II.—DATA from which the SUMMARY on page 73 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
March 26-April 1, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.				
O. SCOTLAND, N.	Sumburgh Head	47	36	45·6	38·3	41·8	+ 2·2	10	14	7	0·73	+ 0·16	*	*	*	*
	Stornoway	49	36	47·1	38·1	42·5	+ 1·4	20	11	7	1·30	+ 0·60	27·5	- 1·8	31	- 2
	Wick	53	36	49·1	37·0	42·9	+ 2·0	27	14	5	0·48	+ 0·05	*	*	*	*
	Lairg	56	31	50·6	33·6	41·9	+ 2·7	24	34	7	0·73	+ 0·07	*	*	*	*
	Glencarron Ⓢ	51	35	47·3	37·5	42·3	+ 2·4	21	13	7	2·45	+ 1·12	*	*	*	*
	Fort Augustus Ⓢ	53	33	49·4	36·0	42·5	+ 1·0	29	17	7	1·54	+ 0·92	25·0	+ 3·6	28	+ 4
1. SCOTLAND, E.	Nairn	54	33	50·9	35·4	42·9	+ 1·4	34	18	4	0·58	+ 0·23	*	*	*	*
	Aberdeen	54	33	49·4	36·3	42·7	+ 0·9	29	16	4	0·36	- 0·14	32·6	+ 1·8	37	+ 2
	Braemar Ⓢ	48	31	46·1	34·2	40·0	+ 1·9	11	29	4	0·39	- 0·15	*	*	*	*
	Clathick Ⓢ	53	32	50·1	35·4	42·5	+ 0·6	31	18	6	0·72	+ 0·17	*	*	*	*
	Leith Ⓢ	54	36	51·4	38·7	44·9	+ 2·1	34	9	5	0·34	+ 0·03	*	*	*	*
	Marchmont Ⓢ	52	34	50·3	34·6	42·2	+ 1·6	32	21	5	0·63	+ 0·10	35·2	+ 7·6	40	+ 9
2. ENGLAND, N.E	Alnwick Castle	54	32	51·5	37·6	44·3	+ 3·1	35	12	6	0·47	- 0·03	*	*	*	*
	Durham	54	34	52·0	37·5	44·5	+ 3·0	36	13	2	0·06	+ 0·38	37·2	+ 9·7	42	+ 11
	Shields	54	35	51·4	37·7	44·4	+ 2·4	35	12	5	0·32	- 0·06	*	*	*	*
	Scarborough Ⓜ	55	36	53·4	39·2	46·1	+ 3·5	40	8	3	0·51	+ 0·11	44·1	—	50	—
	Spurn Head	55	38	51·9	40·0	45·8	+ 3·5	35	6	3	0·15	- 0·12	*	*	*	*
	Lincoln	56	34	54·4	37·2	45·6	+ 2·3	45	13	3	0·29	- 0·04	*	*	*	*
	Fulbeck	55	35	53·2	38·9	45·8	+ 3·1	40	9	3	0·19	- 0·15	47·4	—	54	—
3. ENGLAND, E.	Hillington Ⓜ	57	32	54·7	37·6	45·9	+ 2·8	46	12	4	0·23	- 0·14	41·9	+ 11·5	48	+ 13
	Yarmouth	55	36	51·6	39·9	45·6	+ 3·5	34	6	4	0·31	- 0·07	*	*	*	*
	Geldeston	57	32	54·9	38·3	46·4	+ 3·1	46	10	5	0·19	- 0·16	37·4	+ 4·5	43	+ 6
	Cambridge	58	33	55·6	38·1	46·6	+ 2·9	49	11	4	0·16	- 0·16	41·0	+ 9·0	47	+ 11
	Felixstowe	55	34	54·3	42·3	48·1	+ 4·6	43	0	4	0·13	—	41·2	—	47	—
	Clacton-on-Sea	56	35	53·6	40·7	47·0	+ 3·2	40	4	4	0·17	—	40·7	—	46	—
	Rothamsted	58	33	54·0	38·4	46·0	+ 3·2	43	10	3	0·19	- 0·21	40·3	+ 9·9	46	+ 12
	Shoeburyness	58	38	55·0	41·6	48·1	+ 4·2	44	1	3	0·11	- 0·16	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	55	36	52·2	37·6	44·7	+ 3·4	37	12	3	0·54	+ 0·06	46·7	—	53	—
	Bawtry (Hesley Hall)	58	32	54·1	37·7	45·7	+ 2·5	44	12	3	0·59	+ 0·23	*	*	*	*
	Nottingham	55	33	53·6	38·7	45·9	+ 2·5	41	9	4	0·40	+ 0·06	41·4	—	47	—
	Colly Weston (Stamford)	55	33	54·1	37·7	45·7	+ 2·3	44	12	4	0·24	- 0·10	*	*	*	*
	Cheadle Ⓜ	55	34	52·6	37·2	44·7	+ 2·6	39	13	6	1·04	+ 0·57	*	*	*	*
	Birmingham (Edgbaston)	56	37	53·1	39·5	46·1	+ 3·6	39	7	4	0·79	+ 0·41	35·4	—	40	—
	Shrewsbury	57	35	54·7	39·8	47·0	+ 3·7	44	6	3	0·48	—	*	*	*	*
	Hereford Ⓜ	60	34	56·1	39·2	47·4	+ 3·7	50	8	5	0·28	- 0·08	*	*	*	*
	Cirencester	57	33	53·9	37·0	45·2	+ 2·9	43	14	4	0·27	- 0·14	43·3	+ 12·4	49	+ 14
	Oxford	59	36	55·0	39·7	47·1	+ 3·0	45	6	4	0·23	- 0·12	41·8	+ 11·7	48	+ 13
	Westminster	59	37	55·0	41·1	47·8	+ 3·0	44	3	3	0·11	—	34·9	+ 14·5	40	+ 17
5. ENGLAND, S.	London (Brixton)	60	35	55·7	40·3	47·8	+ 3·2	48	5	2	0·10	- 0·25	32·5‡	+ 8·8‡	37‡	+ 10‡
	Wisley (Surrey)	58	36	54·7	40·5	47·4	+ 2·8	44	4	3	0·15	—	38·1	—	43	—
	Swarraton (Alresford) Ⓜ	58	34	53·5	39·5	46·3	+ 3·8	41	7	4	0·25	- 0·20	*	*	*	*
	Tunbridge Wells Ⓜ	55	35	52·7	39·2	45·8	+ 2·5	38	8	4	0·09	—	39·1	—	44	—
	Dungeness	54	35	51·1	39·9	45·3	+ 1·9	32	6	5	0·18	- 0·14	39·0	—	44	—
	Hastings (St. Leonards)	54	37	51·3	40·6	45·8	+ 1·9	32	4	3	0·18	- 0·26	35·4	- 0·2	40	0
	Southampton	59	37	56·2	41·5	48·6	+ 3·4	48	1	3	0·19	- 0·25	39·5	+ 5·9	45	+ 7
	Portland Bill	54	41	52·0	44·3	48·0	+ 2·4	42	0	5	0·26	—	*	*	*	*
	Shaftesbury Ⓜ	55	34	51·8	39·2	45·3	+ 2·3	35	8	5	0·25	- 0·25	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	53	36	49·8	39·9	44·7	+ 1·6	28	6	7	2·60	+ 1·43	*	*	*	*
	Glasgow	50	37	48·8	39·8	44·2	+ 2·1	25	6	7	0·74	+ 0·23	26·1	+ 2·2	29	+ 2
	Cally Ⓢ	50	30	47·5	35·8	41·5	- 1·1	15	25	7	1·17	+ 0·49	*	*	*	*
	Aspatria	50	37	48·9	38·6	43·6	+ 1·5	25	10	5	1·23	—	40·6	—	46	—
	Douglas (Isle of Man)	51	34	49·9	39·3	44·4	+ 1·3	28	8	7	0·84	+ 0·26	44·3	+ 8·8	50	+ 10
7. ENGLAND, N.W.	Newton Rigg	51	33	49·1	36·8	42·8	+ 1·8	27	15	6	1·15	—	37·3	—	42	—
	Stonyhurst	52	36	49·1	39·4	44·1	+ 1·9	26	7	5	1·15	+ 0·48	39·7	+ 11·2	45	+ 13
	Blackpool Ⓜ	52	40	49·7	41·7	45·6	+ 2·6	26	1	5	0·41	- 0·03	46·8	+ 18·3	53	+ 21
	Manchester (Prestwich)	54	35	51·4	38·7	44·9	+ 2·1	34	9	5	1·68	+ 1·17	37·2	—	42	—
	Liverpool Obsy. (Bidston)	53	39	51·3	41·4	46·2	+ 2·5	32	2	4	0·55	+ 0·18	44·5	—	51	—
	Chester (Hawarden Bridge)	54	39	52·5	41·4	46·8	+ 2·2	36	2	5	0·44	—	*	*	*	*
	Llandudno Ⓜ	53	39	51·3	41·2	46·1	+ 1·4	32	2	7	0·46	+ 0·06	43·3	+ 13·9	49	+ 16
	Holyhead	52	40	50·4	41·9	46·0	+ 1·5	28	0	6	0·58	+ 0·11	*	*	*	*
	Bettws-y-Coed	54	35	52·0	38·8	45·2	+ 0·6	36	9	6	1·17	—	35·3	—	40	—
8. ENGLAND, S.W.	Llangammarch Wells	53	31	50·9	37·3	43·9	+ 1·9	33	13	6	1·66	—	26·6	—	30	—
	Pembroke	50	43	49·0	44·0	46·4	+ 2·2	31	0	3	0·60	+ 0·13	42·8	+ 7·4	49	+ 8
	Cardiff	55	31	54·0	38·1	45·8	+ 1·2	43	11	4	0·58	—	*	*	*	*
	Clifton	56	33	53·8	41·0	47·2	+ 3·0	41	3	4	0·36	- 0·14	*	*	*	*
	Bath	58	40	55·1	41·4	48·1	+ 3·9	45	2	5	0·34	- 0·10	43·2	—	49	—
	Arlington (N. Devon)	53	36	51·1	40·0	45·4	+ 2·9	32	6	5	0·86	+ 0·13	*	*	*	*
	Cullompton Ⓜ	59	33	56·7	39·5	47·9	+ 2·9	52	7	2	0·41	- 0·13	27·2	- 4·5	31	- 5
	Falmouth	55	40	53·0	43·8	48·3	+ 2·7	44	0	4	0·30	- 0·39	36·4	0·0	41	0
	Plymouth	55	35	53·7	41·5	47·4	+ 1·7	40	1	3	0·45	- 0·09	33·6	- 1·2	38	- 1
9. IRELAND, N.	Malin Head	53	35	51·0	37·6	44·1	+ 0·2	33	12	6	0·62	+ 0·17	*	*	*	*
	Edenfel (Omagh)	51	32	50·0	35·9	42·7	+ 0·5	31	17	7	0·72	+ 0·18	*	*	*	*
	Blacksod Point	50	39	49·6	41·4	45·4	+ 0·2	26	2	7	1·01	+ 0·28	*	*	*	*
	Markree Castle	54	35	52·4	36·8	44·4	+ 0·9	39	15	7	0·47	- 0·13	43·5	+ 15·3	49	+ 17
	Armagh	55	35	52·4	37·8	44·9	+ 2·1	38	12	6	0·41	- 0·05	48·2	+ 20·6	54	+ 23
	Donaghadee	53	34	51·1	37·0	43·8	+ 0·2	34	14	5	0·36	- 0·07	*	*	*	*
10. IRELAND, S.	Dublin	56	38	54·0	40·2	46·9	+ 1·7	42	5	4	0·16	- 0·28	48·5	+ 16·2	55	+ 18
	Birr Castle	54	36	53·0	37·4	45·0	+ 1·3	40	13	6	0·25	- 0·25	45·4	+ 15·8	52	+ 18
	Kilkenny	55	32	54·0	35·9	44·7	0·0	45	17	4	0·29	- 0·21	*	*	*	*
	Waterford	54	35	52·3	38·0	44·9	+ 0·7	37	11	6	0·80	+ 0·21	*	*	*	*
	Roche's Point	53	38	51·3	40·7	45·8	0·0	32	4	6	1·00	+ 0·28	*	*	*	*
	Valencia	52	41	51·7	42·0	46·7	+ 0·1	33	0	7	0·46	- 0·41	30·2	- 3·5	34	- 4
	Killarney	57	38	54·6	41·3	47·8	+ 2·2	44	2	6	0·56	- 0·25	*	*	*	*
	Foynes	55	33	51·6	40·4	45·8	+ 0·8	33	4	7	0·57	+ 0·02	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	55	45	54·3	45·6	49·8	+ 2·8	55	0	2	0·21	- 0·29	36·2	- 0·1	41	0
	Jersey (St. Aubyn's)	57	40	54·0	43·7	48·7	+ 2·1	47	0	5	1·12	+ 0·65	36·0	- 3·3	41	- 4

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

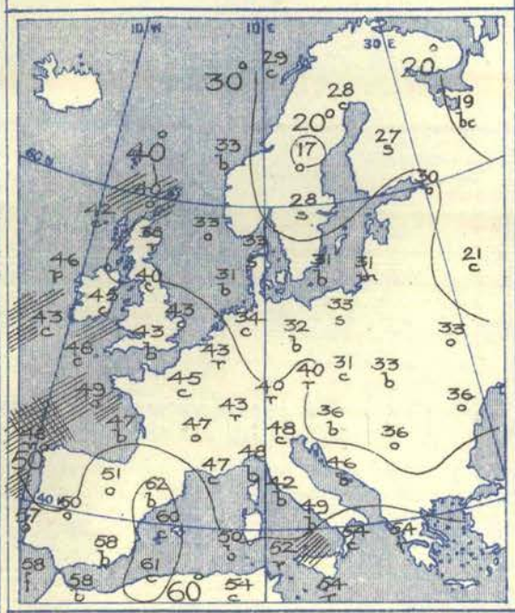
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

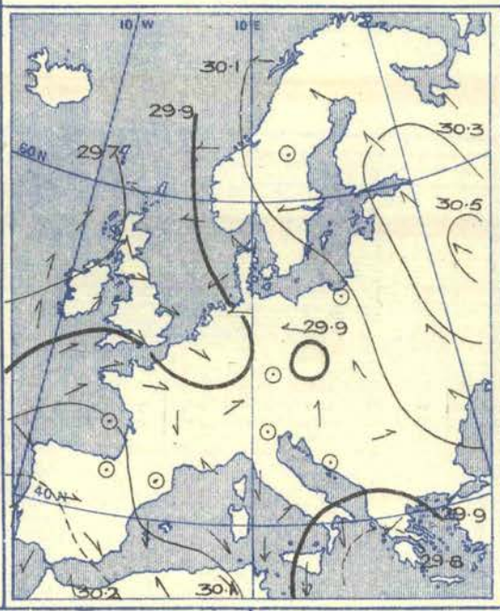
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 26th March, 1905.

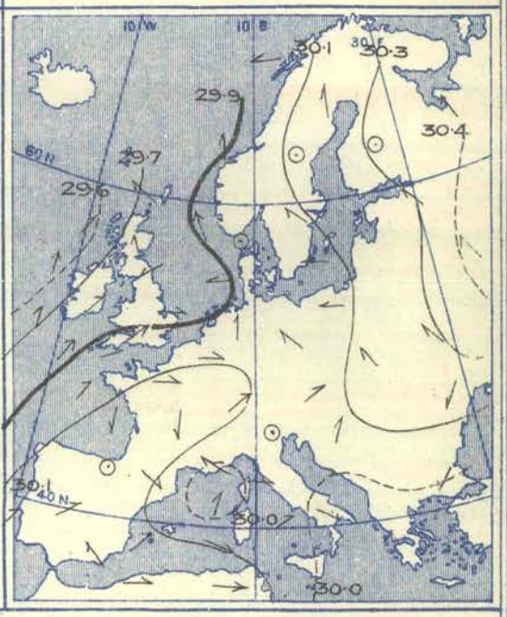
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. rainy in Scotland and showery in the north-west of Ireland, but fair over our Islands generally. Variable conditions prevailing on the Continent; rain falling in Greece, Sicily, and Malta, and also in many parts of central Europe, and snow at several stations in Sweden and Finland, as well as at Neu-Fahrwasser. Rain falling in all parts of our Islands and their vicinity some time during the ensuing twenty-four hours—largest amounts, 0·4 in. at Pembroke and Cherbourg.

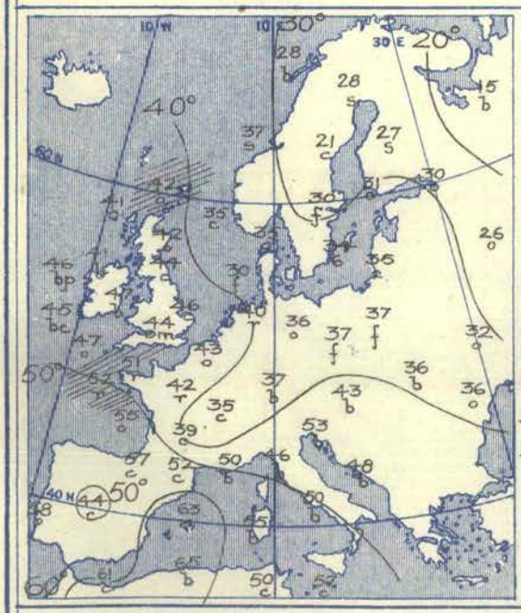
Temperature changed little and rather irregularly. Morning values highest, 62° at Barcelona, 61° at Algiers, and only a few degrees lower at many other stations in the far south. Lowest, 17° at Hernösand, 19° at Archangel, below the freezing point over Russia and Sweden generally, and only just 32° at Berlin. Rising subsequently to 77° at Algiers, 68° at Madrid, 66° at Perpignan, 62° at Florence, to about 60° at many other southern stations, to 56° in London, and to above 50° over most parts of these Islands.

Wind at 8 a.m. very variable in direction, but mostly light in force; fresh or strong at some of our own south-western and extreme northern stations, and also at Malta and Palermo. A definite cyclonic circulation of little strength setting in later around the Gulf of Genoa, and the Southerly current becoming more general over the United Kingdom.

Barometer at 8 a.m. ranging from above 30·5 ins. in an anticyclone centred near Moscow and from above 30·2 ins. over the north-west of Africa and the adjacent part of Spain, to less than 29·7 ins. over the north-west and north of our Islands. Relatively low in shallow depressions over various parts of the Continent and the Mediterranean. Pressure changing little as a whole during day, but a fresh decrease taking place along the western coasts of the United Kingdom.

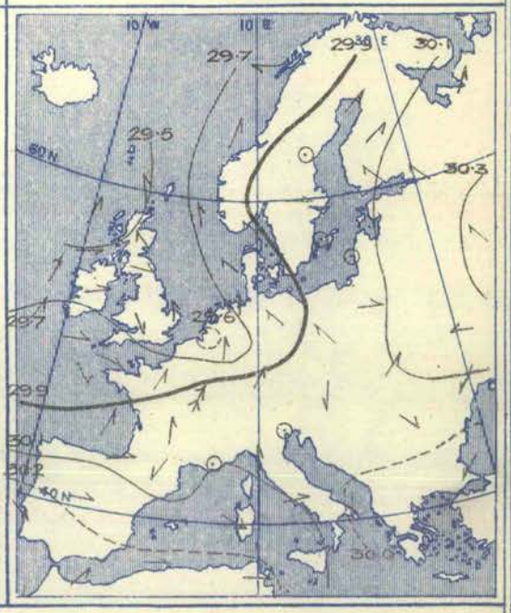
Monday, 27th March, 1905.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.

Barometer and Wind. 6 p.m.



Weather at 8 a.m. rainy over the south and south-east of England and the north of France and also in the south of Scotland; fair or fine in most other regions, but a good deal of cloud in places, and snow falling at Haparanda and Kuopio. Rain falling very generally later—heaviest amounts, 0·75 in. at Paris and 0·87 in. at Frankfurt.

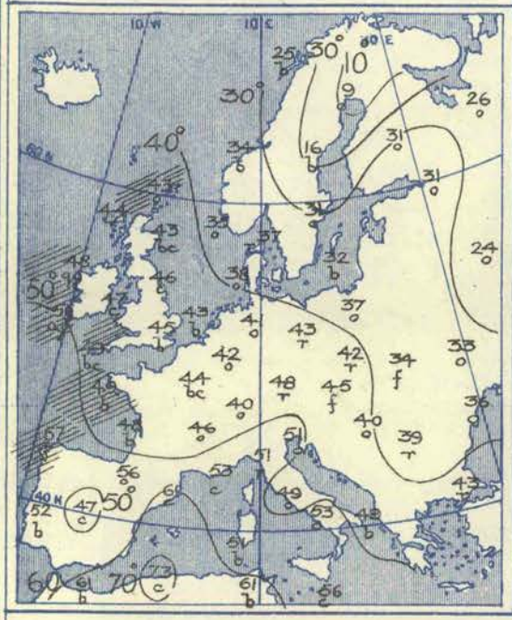
Temperature risen in most regions. Morning values ranging from 65° at Algiers, 64° at Barcelona, 58° in Portugal, and 51° in the Channel Islands, to below 30° over the greater part of Russia and Scandinavia, to 21° at Hernösand, and to 15° at Archangel. Rising later to 52° or 53° in many parts of our Islands, to 70° or above in Spain and the extreme south of France, and to above 80° in Algeria. Maximum only 32° in the north of Sweden.

Wind moderate or fresh from between South-West and South-East in all the north-western regions; light and irregularly cyclonic over Italy and its vicinity, and light and anticyclonic over Russia and the Iberian Peninsula. Wind veering to West or North-West on our southern coasts by evening and a well-defined cyclonic movement setting in over the west of Germany.

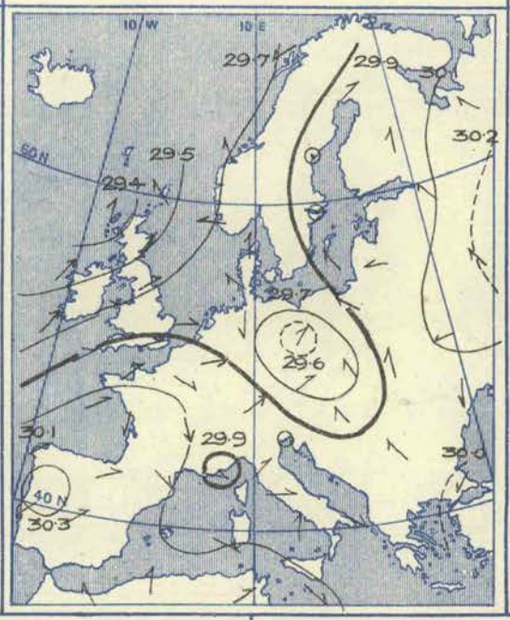
Barometer at 8 a.m. ranging from 30·4 ins. and upwards in an anticyclone over central Russia and above 30·3 ins. in another system over central Spain, to 30·1 ins. and less in a shallow disturbance over Italy, and to below 29·5 ins. in another depression off the north west of Scotland. A secondary shown over the western half of the English Channel. Latter system travelling quickly eastwards during day, and barometer rising briskly in its rear.

Tuesday, 28th March, 1905.

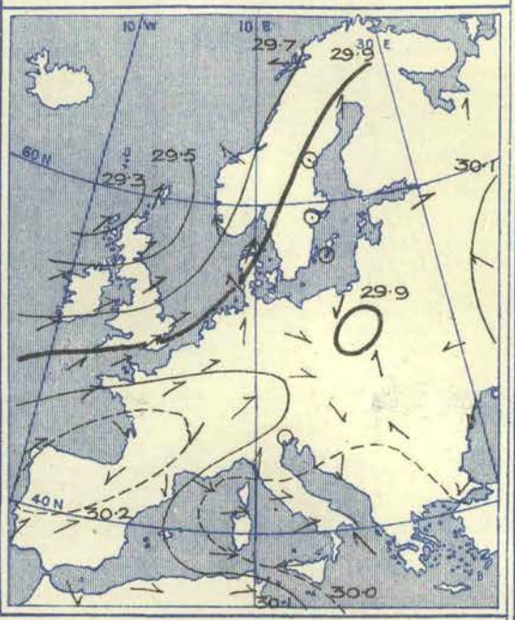
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most parts of our Islands, France, and southern Europe, but showery on our north-west coasts, rainy at Limoges and Florence, and foggy at Corunna and Lisbon. Rain falling over Germany and snow in the south of Sweden and Finland. Rain falling later in many parts of our Islands and rain or snow over Russia and Norway—largest amount, 0·6 in. at Nicolaieff.

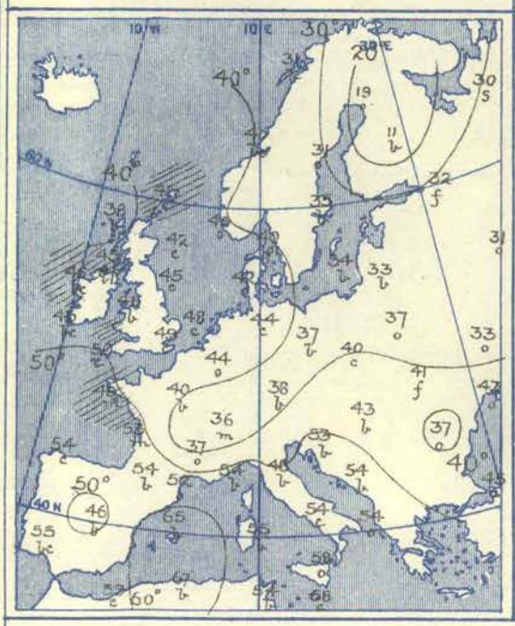
Temperature changed irregularly. Morning readings highest, 73° at Algiers, 61° at Barcelona, above 50° at most southern stations, and 50° in the south of Ireland. Lowest, 9° at Haparanda, 24° at Moscow, and below the freezing point over Russia and Scandinavia generally. Maxima during day below 32° in the extreme north, and only 36° at St. Petersburg, but 56° at Skegness and in London, 66° at Nice, 69° at Perpignan, 72° at Palermo, 73° at Madrid, and above 80° in Algeria.

Wind in morning showing several complete or partial cyclonic circulations; of little force generally, but South-Westerly breezes strong or fresh on our own west coasts. Latter increasing in force later over the whole of our Islands and their vicinity, and fresh or strong Southerly and South-Easterly breezes setting in on the eastern shores of the North Sea.

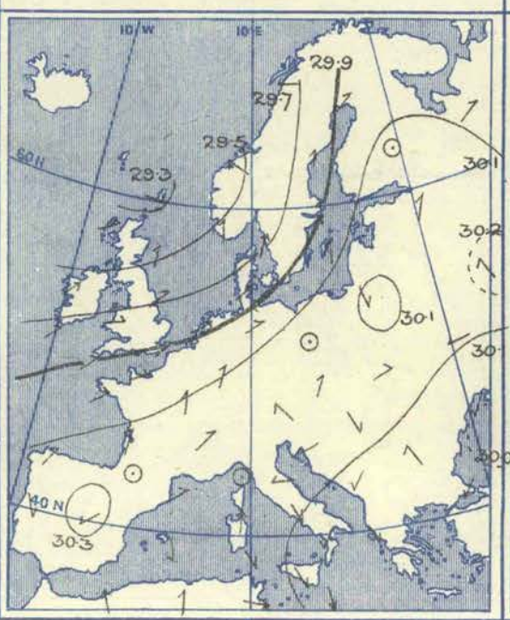
Barometer at 8 a.m. highest, 30·2 ins. and upwards in the eastern half of Russia and also over the Spanish Peninsula and the north-east coast of Africa. Lowest, 29·4 ins. and less in a depression off our own north-west coasts. Below 29·6 ins. in a well-marked depression centred near Berlin. Latter system moving eastwards later and becoming less deep, and that in the north-west travelling north-eastwards. Gradients increasing over England and the North Sea.

Wednesday, 29th March, 1905.

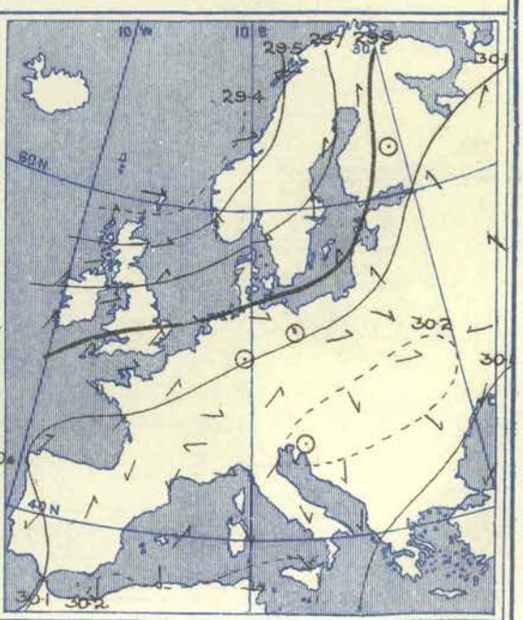
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair to fine as a whole, but showers falling in some parts of the United Kingdom, and snow at Karlstad and Archangel. Showers experienced later in almost all parts of our Islands and either steady rain or showers in most parts of northern Europe—largest falls, 0·5 in. at Stornoway and 0·4 in. at Karlstad.

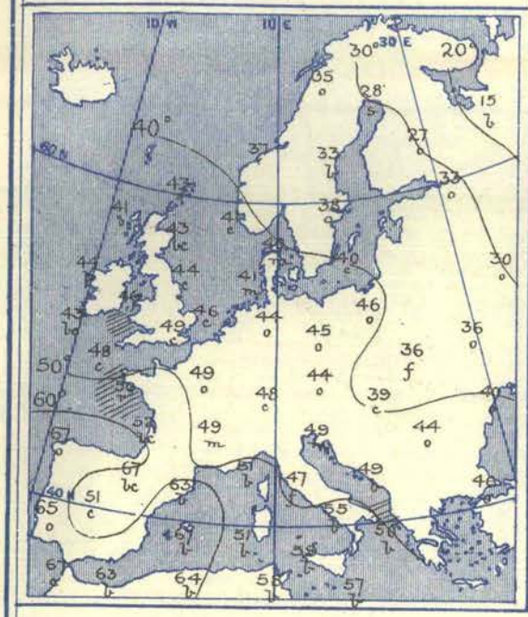
Temperature showing no general change. Morning readings highest, 67° at Algiers, 65° at Barcelona, 58° at Oporto, 54° at Biarritz, and 50° at Scilly. Lowest, 11° at Kuopio, 19° at Haparanda, below 32° in several parts of Russia and Scandinavia, and 37° at Lyons. Rising later to 56° or 57° in the south and east of England, to nearly 70° in the south of France and Italy, to 70° or above in Spain and Portugal generally, and to 86° at San Fernando.

Wind in morning South-Westerly to Southerly or South-Easterly over all the north-western countries, and light to fresh in force. Light or moderate from some point between North-East and North-West over all the more southern regions. Becoming more variable in direction later over the south of Europe, but little change elsewhere.

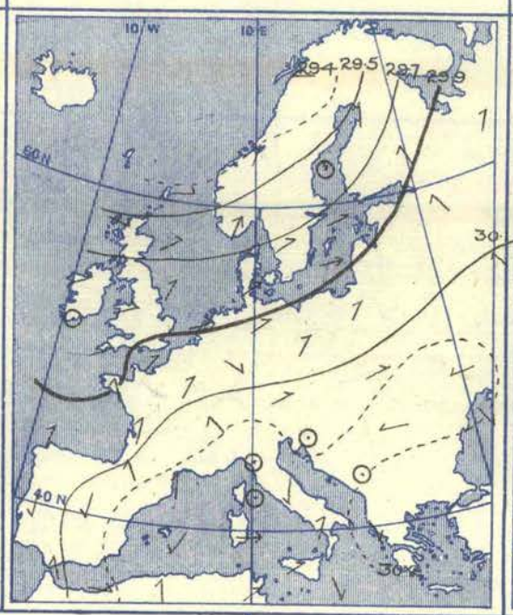
Barometer at 8 a.m. highest, 30·3 ins. to 30·1 ins. in a large area extending from the Peninsula to Moscow. Lowest, less than 30·0 ins. over the Black Sea, and below 29·3 ins. off the north of Scotland. Pressure changing little and irregularly during ensuing twenty-four hours; giving way somewhat over the central regions of the Continent, and increasing over our Islands and in the extreme south of our area.

Thursday, 30th March, 1905.

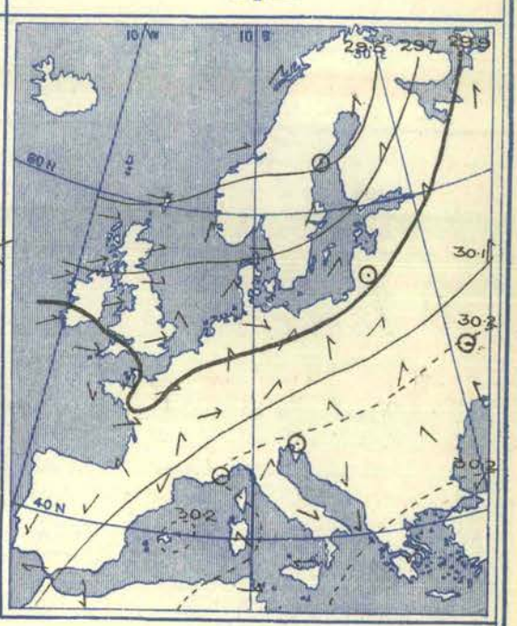
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine generally, but rain falling at Dungeness and the nearer parts of the Continent and also at Christiansund and Brest. Rain experienced later in many parts of our Islands and other of the northern countries—heaviest falls, 0·45 in. at Jersey and 0·59 in. at Brussels.

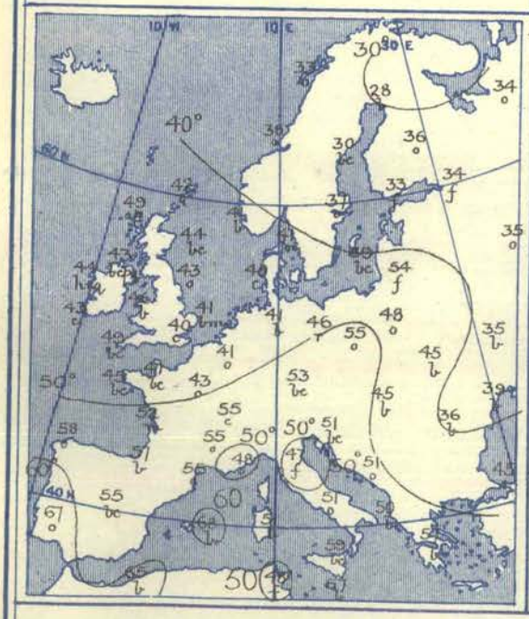
Temperature risen in most regions. Morning values highest, 67° at Palma, Biarritz, and Corunna, and about 60° at several other southern stations. Lowest, 15° at Archangel, 26° at Haparanda, 30° at Moscow, 33° at Cracow, 38° at Vienna. Maxima during day, 84° at San Fernando, 82° at Biarritz, a little lower in Algeria, between 60° and 70° in Italy, about 60° in various parts of central Europe, and 56° in the south of England.

Wind at 8 a.m. light and variable over the southern half of our area, and light or moderate from between South and South-West or West over all the more northern countries. No general change later either in force or direction.

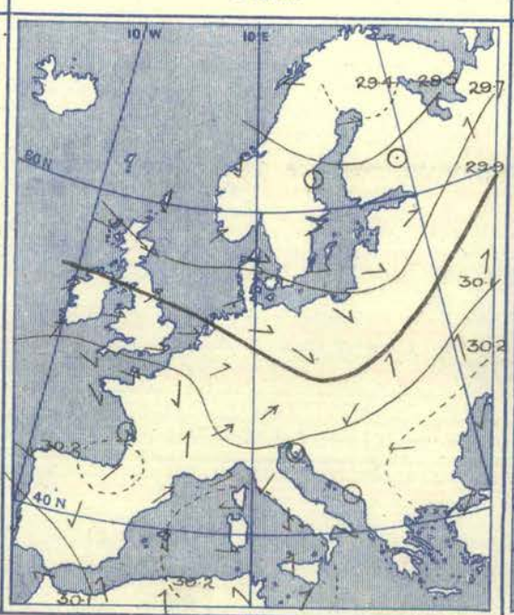
Barometer ranging from above 30·2 ins. in an area embracing the greater part of the Mediterranean and several of the southern regions of the Continent. Lowest, 29·5 ins. and less in a large but shallow depression off the west of Norway. Relatively low in a small secondary depression off the west of Brittany. Both high and low pressures moving slowly eastwards during day, but little change taking place in their relative distribution.

Friday, 31st March, 1905.

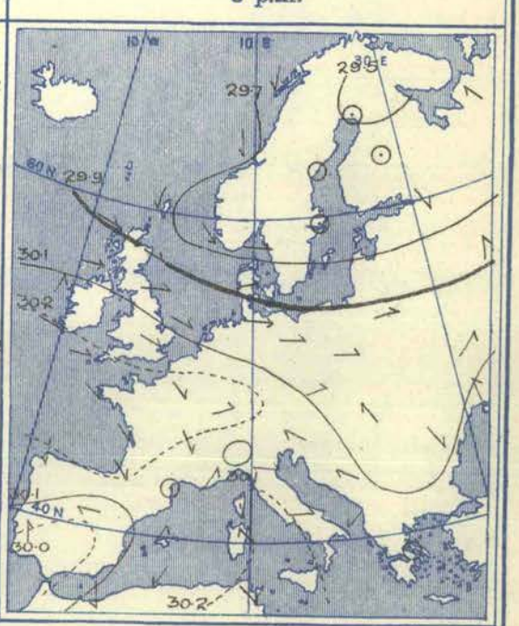
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast in places and showery in the north-west of Ireland, but fair or fine over our area as a whole. Rain falling later in Russia and in various parts of central Europe, and as much as 0·8 in. at Palma.

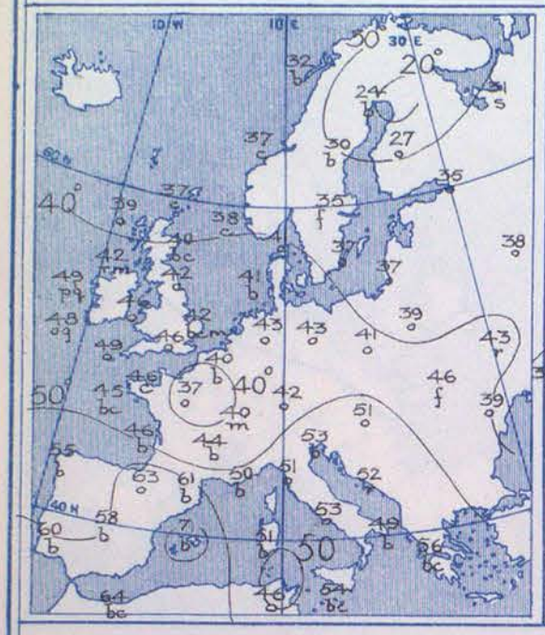
Temperature at 8 a.m. ranging from 68° at Palma, 67° at Lisbon, and above 60° in the far south generally, to below 50° over our Islands and the central countries, and to below 40° over Russia and Scandinavia. Lowest reading, 28° at Haparanda. Rising later to 56° in London, to above 60° in most parts of France, Italy, and Austria, to above 70° in Spain and Algeria, and to above 80° at Madrid and Oran.

Wind in morning mainly Westerly to South-Westerly over the major portion of our area, and light and variable over the Mediterranean region. Fresh or strong in force in a few localities, but light as a whole. Shifting to the Northward later on the Norwegian coast and increasing to a strong breeze at Skudesnaes.

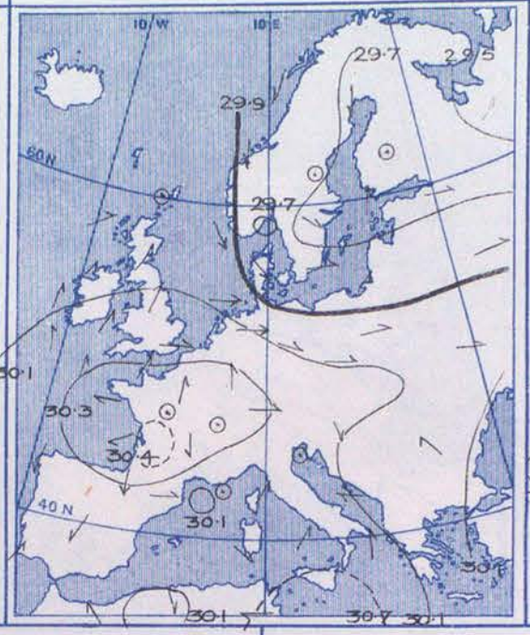
Barometer at 8 a.m. highest, 30·2 ins. to 30·1 ins. over all the more southern parts of Europe. Lowest, 29·4 ins. or less in Lapland. Pressure increasing somewhat decidedly over our Islands later and also in the north-west of Norway, but decreasing in the south-west of the latter country. Northern depression travelling eastwards and barometer falling over Russia.

Saturday, 1st April, 1905.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

Weather at 8 a.m. cloudy or overcast as a whole, but fine and bright in many parts of Great Britain, France, and the Spanish Peninsula. Rainy in the north of Ireland, at Lesina, and Kiev, and snow falling at Archangel. Rain later in the north and west of our Islands, the Netherlands, and at some German stations and in various parts of Russia—largest amounts, 0·6 in. at Kiev and 0·4 in. at Malin Head.

Temperature fallen in most regions. Morning readings highest, 71° at Palma, 64° at Algiers, 63° at Biarritz, 60° at Lisbon. Lowest, 18° at Uleaborg, 31° at Archangel, 32° at Bodö, below 40° over Scandinavia and Russia generally, and only 37° at Paris and Sumburgh Head. Rising subsequently to 69° at Oxford and in London, to above 70° in many parts of France, Spain and Portugal, Sardinia, and Algeria.

Wind at 8 a.m. circulating cyclonically over the north-east of our area, and anticyclonically in the more south-western regions. Very little force generally, but North-Westerly current fresh or strong in Denmark and the south of Norway. Wind increasing in strength from the Southward in Ireland and Wales during day, but little change taking place as a whole.

Barometer at 8 a.m. highest, 30·3 ins. and upwards, in an anticyclone centred over France. Lowest, 29·5 ins. and less in a depression over the north of Russia. Relatively low in a small secondary over the south of Norway. Pressure giving way rather decidedly in the north and west of our Islands later under the influence of a depression advancing from the westward or north-westward.

IV.—GENERAL NOTES.

The highest pressure was generally found over some part of Russia, while relatively high areas usually existed over the Spanish Peninsula and occasionally over the intervening regions also. The centres of the primary depressions remained far to the northward and travelled in an easterly direction, while some of their secondary systems moved directly over our Islands and the nearer parts of the Continent. One of these which passed over the south of these Islands on Monday subsequently reached Prussia and increased in importance. The disturbances over the Mediterranean and Italy were mostly ill-defined and shallow. The wind blew freshly or strongly at times over the most north-western regions, but its force was light or moderate as a whole and its direction from some point between South and West. The weather was almost continuously fine and very warm in the most southern countries, and not much heavy rain was experienced even in those districts most under the influence of the northern depressions. Maximum temperatures of 70° and 80° were much more common in the south of Europe and Algeria, but little tendency to rise was observable in the most northern countries.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 74.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	35·2	+ 6·5	40	+ 7
STRATHPEFFER SPA	31·7	+ 6·4	36	+ 7
CRATHES	31·6	—	36	—
BALRUDDERY	36·8	—	41	—
EDINBURGH	28·9	+ 4·3	33	+ 5
COCKLE PARK	41·4	—	47	—
NEWCASTLE-on-TYNE	29·3	—	33	—
SALTBURN-by-the-SEA	39·5	—	44	—
YORK	38·0	+10·7	43	+ 12
SKEGNESS	45·5	—	52	—
CROMER	39·2	—	45	—
LOWESTOFT	39·5	—	45	—
DUNMOW	38·4	—	44	—
SHEFFIELD	40·6	—	46	—
WORKSOP	33·1	+ 6·9	38	+ 8
MARGATE	38·1	+ 6·3	43	+ 7
BROADSTAIRS	41·2	—	47	—
RAMSGATE	40·7	—	46	—
EASTBOURNE	39·7	+ 4·4	45	+ 5
BRIGHTON	43·8	+ 9·2	50	+ 11
WORTHING	40·7	—	46	—
BOGNOR	40·5	—	46	—
VENTNOR HOSPITAL	34·3	- 3·5	39	- 4
BOURNEMOUTH	38·0	—	43	—
MARLBOROUGH	32·2	+ 3·7	37	+ 4
SOUTHPORT	46·8	—	53	—
RHYL	46·3	—	53	—
ABERDOVEY	43·5	—	49	—
TENBY	45·4	+ 8·4	52	+ 10
TORQUAY	37·9	+ 1·4	43	+ 2
NEWQUAY	37·6	+ 1·6	43	+ 2
GUERNSEY	37·6	- 1·4	43	- 2

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 6, page 32	Llandudno	—	—	—	37·6	43·3	+ 1·6	28	12	—	—	—	—	—	—	—
No. 7, page 38	Cheadle	—	—	—	36·3	42·2	+ 4·4	23	15	—	—	—	—	—	—	—
,, ,, ,,	Shaftesbury	—	—	48·2	—	43·3	+ 4·3	25	—	—	—	—	—	—	—	—
No. 10, page 56	Hillington	—	—	—	36·8	42·8	+ 2·3	—	15	—	—	—	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 14. FOURTEENTH WEEK, ENDING SATURDAY, APRIL 8TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 80.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	59	20	43·9	29·9	36·5	5 below	5	−16	41	+18	125	− 8	384	− 89
	1. SCOTLAND, EAST	60	21	47·1	31·4	38·9	3 below	14	−13	38	+13	184	+ 8	423	−102
	2. ENGLAND, N.E.	57	23	48·6	33·9	40·9	2 below	18	− 8	31	+13	235	+48	334	−112
	3. ENGLAND, EAST	57	26	49·5	35·0	41·9	2 below	21	−13	27	+ 7	249	+21	329	−159
	4. MIDLAND COUNTIES	58	22	49·6	35·6	42·3	2 below	29	− 7	18	− 1	290	+38	348	−142
	5. ENGLAND, SOUTH	59	29	50·9	38·9	44·6	1 below	31	− 6	9	− 4	277	+ 5	254	−120
Principal Grazing Districts.	6. SCOTLAND, WEST	61	19	47·7	33·7	40·4	3 below	16	−12	31	+14	220	+30	265	−112
	7. ENGLAND, N.W.	55	19	47·7	35·7	41·4	3 below	16	−13	24	+ 9	256	+52	253	−112
	8. ENGLAND, S.W.	57	30	50·9	41·3	45·9	1 above	30	− 5	2	− 8	301	+ 5	200	− 86
	9. IRELAND, NORTH	57	24	48·7	36·5	42·3	2 below	25	− 7	15	+ 6	270	+13	245	− 71
	10. IRELAND SOUTH	61	26	53·1	42·2	47·4	1 above	38	0	0	− 9	389	+42	158	− 80
	— CHANNEL ISLANDS	57	35	54·1	44·5	49·1	1 above	50	+10	0	− 3	461	+77	55	− 63

Rainfall.

	DISTRICTS. (See p. 80.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	9	2 more	85	+20	18·5	+ 5·6
	1. SCOTLAND, EAST	4	3	2 less	60	+ 7	6·7	− 1·0
	2. ENGLAND, N.E.	4	3	1 less	43	− 7	3·2	− 2·4
	3. ENGLAND, EAST	5	5	1 more	52	+ 1	4·2	− 1·2
	4. MIDLAND COUNTIES	5	6	2 more	51	+ 3	5·2	− 1·2
	5. ENGLAND, SOUTH	4	3	1 less	52	+ 4	6·6	− 0·4
Principal Grazing Districts.	6. SCOTLAND, WEST	5	8	2 more	69	+12	14·1	+ 0·2
	7. ENGLAND, N.W.	6	10	5 more	62	+10	8·4	+ 0·2
	8. ENGLAND, S.W.	5	4	2 less	56	+ 2	8·9	− 1·2
	9. IRELAND, NORTH	6	6	1 more	76	+13	10·8	+ 1·8
	10. IRELAND, SOUTH	6	5	1 less	69	+11	10·7*	− 0·4
	— CHANNEL ISLANDS	4	1	4 less	63	+ 4	8·2	− 0·5

Bright Sunshine.

	DISTRICTS. (See p. 80.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	39	+ 9	42	+10	192	− 24	20	− 3
	1. SCOTLAND, EAST	51	+18	54	+19	274	+ 3	29	0
	2. ENGLAND, N.E.	45	+18	49	+20	317	+ 18	32	+ 2
	3. ENGLAND, EAST	36	+ 1	40	+ 1	348	+ 50	35	+ 5
	4. MIDLAND COUNTIES	35	+ 1	38	+ 1	281	+ 28	28	+ 3
	5. ENGLAND, SOUTH	26	− 8	29	− 9	314	+ 24	31	+ 2
Principal Grazing Districts.	6. SCOTLAND, WEST	45	+10	49	+11	290	+ 39	30	+ 4
	7. ENGLAND, N.W.	36	+ 9	39	+10	287	+ 60	29	+ 6
	8. ENGLAND, S.W.	26	−10	29	−11	298	+ 1	30	0
	9. IRELAND, NORTH	26	− 5	28	− 5	282	+ 30	29	+ 3
	10. IRELAND, SOUTH	18	−16	19	−18	286	− 6	29	− 1
	— CHANNEL ISLANDS	24	−17	26	−19	319	− 32	31	− 3

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was fair in most parts of the Kingdom at the commencement of the week, but subsequently became very changeable and cold, with showers of rain, hail, sleet, or snow. The snow was mostly confined to Scotland, but on Thursday it fell as far south as London. Thunder and lightning occurred at some Scottish stations on Tuesday and lightning was seen in the north of England.

Temperature was below the mean generally—as much as 5° in Scotland N.—but slightly above it in England S.W., Ireland S., and the Channel Islands. The highest of the maxima were registered during the earlier days of the week, and ranged from 61° in Scotland W. and Ireland S. to 55° in England N.W. The lowest of the minima, which were recorded on Friday or Saturday, were no higher than 19° in Scotland W. and England N.W., 20° in Scotland N., 21° in Scotland E., and 22° in the Midland Counties. Elsewhere they varied from 23° in England N.E. to 30° in England S.W., and to 35° in the Channel Islands.

Rainfall was much less than the mean in the Channel Islands, and much in excess in England N.W. In other districts the fall approximated rather closely to the normal.

Bright Sunshine was deficient in Ireland, the Channel Islands, and the south and south-west of England, but exceeded the average duration elsewhere. The percentage of the possible duration ranged from 54 in Scotland E. and 49 in Scotland W. and England N.E. to 29 in England S. and S.W., 26 in the Channel Islands, and to 19 in Ireland S.

Barometer and Wind. At the commencement of the week a depression lay over the North Sea and the prevailing winds over our Islands were North-Westerly and Westerly. This system was followed by a high pressure ridge which moved eastwards over the United Kingdom and the North Sea. On Wednesday a small secondary disturbance which passed south-eastwards from the north-east of Scotland caused strong winds or gales from the Northward on all our eastern and northern coasts, and moderate or fresh Northerly breezes elsewhere. On Friday a well-defined depression travelled very quickly across England to the Netherlands, its passage being marked by strong South-Westerly to Westerly winds on our southern coasts.

3529 Wy. & S. Ltd.
370 4 | 05

II.—DATA from which the SUMMARY on page 79 has been calculated.

Districts. April 2-8, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	47	22	38·9	31·4	35·0	− 5·3	0	49	7	0·38	− 0·16	*	*	*	*
	Stornoway	52	27	43·3	31·3	37·0	− 4·8	4	36	6	0·84	+ 0·19	39·8	+ 7·5	43	+ 8
	Wick	50	20	42·0	28·9	35·1	− 6·7	0	48	7	1·43	+ 1·03	*	*	*	*
	Lairg	59	23	47·6	27·8	37·2	− 3·0	16	50	7	0·90	+ 0·29	*	*	*	*
	Glencarron	53	25	43·6	29·9	36·4	− 4·6	4	41	7	1·29	+ 0·09	*	*	*	*
	Fort Augustus	57	23	47·7	29·8	38·3	− 4·4	16	44	5	0·47	− 0·09	36·9	+ 13·0	40	+ 14
1. SCOTLAND, E.	Nairn	56	26	45·9	30·9	38·0	− 4·5	11	39	5	0·43	+ 0·09	*	*	*	*
	Aberdeen	60	27	45·9	32·6	38·9	− 3·6	11	33	6	0·40	− 0·09	51·2	+ 18·4	55	+ 20
	Braemar	54	21	42·7	25·9	35·5	− 3·6	2	44	4	0·33	− 0·20	*	*	*	*
	Clathick	58	22	50·0	30·6	39·8	− 3·1	22	42	3	0·25	− 0·29	*	*	*	*
	Leith	57	27	50·4	34·3	42·0	− 1·5	24	22	3	0·17	− 0·16	*	*	*	*
	Marchmont	56	23	47·9	31·3	39·2	− 2·3	17	39	3	0·15	− 0·38	52·8	+ 23·1	57	+ 25
2. ENGLAND, N.E	Alnwick Castle	57	24	48·4	32·1	39·9	− 1·9	18	37	4	0·12	− 0·37	*	*	*	*
	Durham	56	23	48·2	31·1	39·2	− 3·2	17	39	4	0·31	− 0·13	49·5	+ 21·5	54	+ 23
	Shields	56	24	48·6	33·1	40·5	− 2·1	18	33	4	0·14	− 0·24	*	*	*	*
	Scarborough	54	28	50·1	34·5	41·9	− 1·3	23	29	4	0·32	− 0·08	45·7	—	50	—
	Spurn Head	53	30	47·3	36·9	41·9	− 1·3	15	20	3	0·35	+ 0·05	*	*	*	*
	Lincoln	—	—	—	—	—	—	—	—	—	—	—	*	*	*	*
	Fulbeck	55	27	48·7	35·5	41·8	− 1·8	19	25	4	0·73	+ 0·38	39·0	—	42	—
3. ENGLAND, E.	Hillington	56	27	49·5	32·1	40·4	− 3·8	21	37	3	0·71	+ 0·33	37·7	+ 5·2	41	+ 6
	Yarmouth	53	30	46·3	36·7	41·3	− 1·7	12	20	5	0·67	+ 0·28	*	*	*	*
	Geldeston	54	26	48·5	32·0	39·9	− 4·2	18	37	5	0·66	+ 0·30	34·9	+ 0·1	38	0
	Cambridge	54	29	50·3	33·5	41·5	− 3·3	23	33	4	0·53	+ 0·20	36·4	+ 2·6	40	+ 3
	Felixstowe	53	30	49·0	35·8	42·1	− 2·4	27	17	4	0·42	—	36·3	—	40	—
	Clacton-on-Sea	57	31	49·9	37·3	43·3	− 1·5	29	13	4	0·42	—	36·1	—	40	—
	Rothamsted	55	30	50·8	36·1	43·1	− 0·7	32	17	6	0·40	− 0·03	28·7	− 3·3	32	− 4
	Shoeburyness	57	32	51·3	36·3	43·4	− 1·7	34	16	5	0·22	− 0·10	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	53	22	47·5	33·5	40·2	− 2·0	15	32	4	0·54	+ 0·07	50·0	—	54	—
	Bawtry (Hesley Hall)	57	27	49·7	33·4	41·2	− 2·9	22	33	3	0·33	− 0·04	*	*	*	*
	Nottingham	56	29	49·4	35·9	42·3	− 2·2	28	17	5	0·68	+ 0·32	35·9	—	39	—
	Colly Weston (Stamford)	55	28	50·1	35·6	42·5	− 2·0	30	18	6	0·49	+ 0·13	*	*	*	*
	Cheadle	53	29	47·0	34·4	40·4	− 2·7	14	28	6	1·11	+ 0·65	*	*	*	*
	Birmingham (Edgbaston)	53	28	48·6	35·4	41·7	− 2·1	18	26	5	0·37	+ 0·47	15·2	—	17	—
	Shrewsbury	53	28	49·7	35·4	42·2	− 2·2	29	18	6	0·50	—	*	*	*	*
	Hereford	58	32	53·0	37·9	45·1	+ 0·4	39	11	5	0·17	− 0·19	*	*	*	*
	Cirencester	54	31	50·1	37·2	43·3	0·0	29	13	7	0·53	+ 0·11	28·8	− 4·4	32	− 5
	Oxford	54	31	50·7	37·7	43·9	− 1·2	31	12	6	0·24	− 0·12	24·6	− 7·3	27	− 8
5. ENGLAND, S.	Westminster	56	33	52·1	39·0	45·2	− 0·9	35	8	4	0·29	—	22·6	− 0·5	25	− 1
	London (Brixton)	56	33	52·1	38·7	45·1	− 0·8	36	9	3	0·25	− 0·12	23·6‡	− 2·5‡	26‡	− 3‡
	Wisley (Surrey)	57	32	51·6	37·6	44·3	− 1·5	35	12	6	0·32	—	24·5	—	27	—
	Swarraton (Alresford)	55	29	49·8	37·5	43·4	− 0·0	29	13	4	0·33	− 0·11	*	*	*	*
	Tunbridge Wells	56	30	50·9	36·4	43·3	− 1·3	33	16	6	0·47	—	28·3	—	31	—
	Dungeness	58	29	50·4	37·0	43·4	− 1·0	31	14	4	0·32	+ 0·02	31·3	—	34	—
	Hastings (St. Leonards)	56	33	50·9	39·4	44·9	− 0·1	31	7	3	0·24	− 0·20	27·1	− 10·3	30	− 11
	Southampton	59	34	53·7	41·3	47·2	+ 0·9	39	2	5	0·21	− 0·22	24·9	− 10·9	27	− 12
	Portland Bill	52	36	49·6	42·9	46·1	− 0·4	29	0	5	0·21	—	*	*	*	*
	Shaftesbury	52	33	48·7	39·2	43·7	− 0·4	24	8	4	0·24	− 0·30	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	55	25	47·3	33·1	39·9	− 4·2	15	33	5	1·30	+ 0·27	*	*	*	*
	Glasgow	54	28	46·8	34·9	40·6	− 2·5	13	26	4	0·44	− 0·06	41·8	+ 15·4	45	+ 17
	Cally	61	19	49·2	31·3	39·8	− 3·8	20	39	5	0·80	+ 0·13	*	*	*	*
	Aspatria	56	26	47·7	33·9	40·5	− 2·4	16	30	5	0·79	—	49·5	—	54	—
	Douglas (Isle of Man)	53	28	47·5	35·4	41·2	− 2·8	15	25	6	0·89	+ 0·32	42·6	+ 4·5	46	+ 5
7. ENGLAND, N.W.	Newton Rigg	54	19	46·8	31·1	38·6	− 3·2	13	39	5	0·84	—	49·5	—	54	—
	Stonyhurst	52	26	46·2	34·0	39·8	− 3·5	12	29	6	1·23	+ 0·60	47·4	+ 16·7	52	+ 18
	Blackpool	52	28	46·3	35·0	40·4	− 3·7	12	26	6	0 62	+ 0·19	45·7	+ 14·6	50	+ 16
	Manchester (Prestwich)	53	27	47·9	34·3	40·8	− 3·1	17	29	5	1·15	+ 0·68	42·4	—	46	—
	Liverpool Obsy. (Bidston)	53	32	47·1	37·6	42·1	− 2·7	19	12	5	0·90	+ 0·53	31·5	—	34	—
	Chester (Hawarden Bridge)	55	30	49·1	37·4	43·0	− 2·7	26	13	5	0·63	—	*	*	*	*
	Llandudno	52	31	48·3	37·5	42·6	− 2·9	23	13	6	0·82	+ 0·42	27·0	− 5·1	29	− 6
	Holyhead	51	34	48·1	38·9	43·3	− 2·1	22	9	6	0·78	+ 0·32	*	*	*	*
	Bettws-y-Coed	53	30	49·1	35·4	41·9	− 3·5	20	26	6	1·64	—	21·0	—	23	—
8. ENGLAND, S.W.	Llangammarch Wells	53	30	49·7	37·7	43·4	+ 0·6	28	12	6	1·09	—	25·0	—	28	—
	Pembroke	51	38	49·1	42·3	45·5	+ 0·6	25	0	5	0·30	− 0·16	28·6	− 9·4	31	− 10
	Cardiff	54	32	50·5	39·9	45·0	− 0·5	30	6	5	0·57	—	*	*	*	*
	Clifton	54	35	51·3	40·7	45·8	+ 0·7	32	4	5	0·25	− 0·25	*	*	*	*
	Bath	56	34	51·1	40·9	45·8	+ 0·4	31	3	3	0·18	− 0·27	22·3	—	25	—
	Arlington (N. Devon)	51	35	49·3	40·6	44·7	+ 1·3	25	4	7	0·57	− 0·14	*	*	*	*
	Cullompton	57	35	52·6	41·6	46·8	+ 0·7	35	1	5	0·32	− 0·33	22·8	− 10·7	25	− 12
	Falmouth	54	37	52·0	43·8	47·7	+ 1·2	40	0	6	0·25	− 0·43	31·4	− 7·4	35	− 8
	Plymouth	56	36	52·9	43·8	48·1	+ 1·4	43	0	4	0·16	− 0·39	25·5	− 11·6	28	− 13
9. IRELAND, N.	Malin Head	55	32	48·6	34·9	41·4	− 3·2	18	27	6	0·69	+ 0·25	*	*	*	*
	Edenfel (Omagh)	54	26	47·4	35·1	41·0	− 2·2	15	26	7	0·86	+ 0·32	*	*	*	*
	Blacksod Point	52	32	49·4	41·0	45·0	− 0·9	25	3	6	0·40	− 0·30	*	*	*	*
	Markree Castle	55	24	50·6	36·3	43·1	− 1·4	32	16	7	0·41	− 0·17	20·5	− 10·2	22	− 11
	Armagh	57	27	49·3	35·2	41·9	− 1·8	20	26	4	0·64	+ 0·17	30·4	+ 0·7	33	+ 1
	Donaghadee	53	30	46·6	36·7	41·4	− 3·0	13	20	5	0·72	+ 0·28	*	*	*	*
10. IRELAND, S.	Dublin	56	30	51·8	39·4	45·3	− 0·9	34	7	6	0·25	− 0·20	22·9	− 11·7	25	− 13
	Birr Castle	58	26	52·6	37·6	44·7	+ 0·1	37	12	5	0·50	0·00	19·6	− 12·2	21	− 13
	Kilkenny	56	28	52·6	40·3	46·2	+ 0·5	37	5	6	0·54	+ 0·03	*	*	*	*
	Waterford	56	32	53·4	41·4	47·1	+ 2·1	38	2	6	1·08	+ 0·46	*	*	*	*
	Roche's Point	56	33	53·3	44·0	48·4	+ 1·6	45	0	6	0·52	− 0·22	*	*	*	*
	Valencia	56	40	52·9	45·9	49·2	+ 1·8	50	0	7	0·32	− 0·58	10·3	− 25·2	11	− 27
	Killarney	61	35	55·2	45·2	50·0	+ 3·8	56	0	5	0·23	− 0·59	*	*	*	*
	Foynes	55	31	52·6	44·1	48·2	+ 2·4	43	0	3	0·63	+ 0·04	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	57	42	54·4	45·4	49·7	+ 2·0	54	0	4	9·05	− 0·45	24·8	− 13·7	27	− 15
	Jersey (St. Aubyn's)	56	35	53·7	43·6	48·4	+ 0·8	45	0	4	0·09	− 0·38	20·8	− 20·8	23	− 23

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

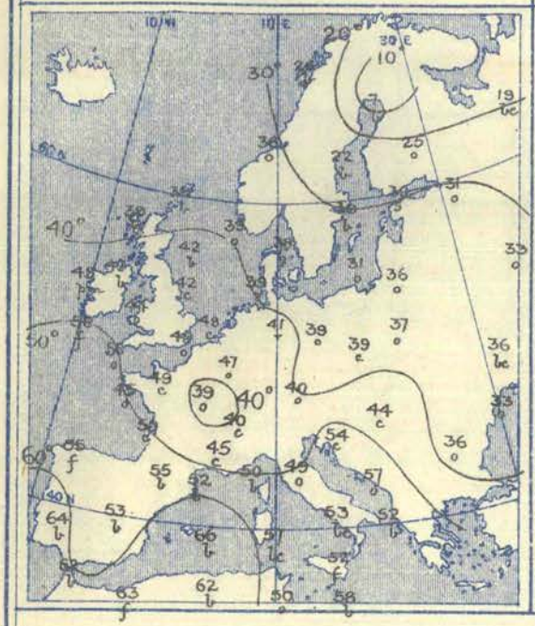
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

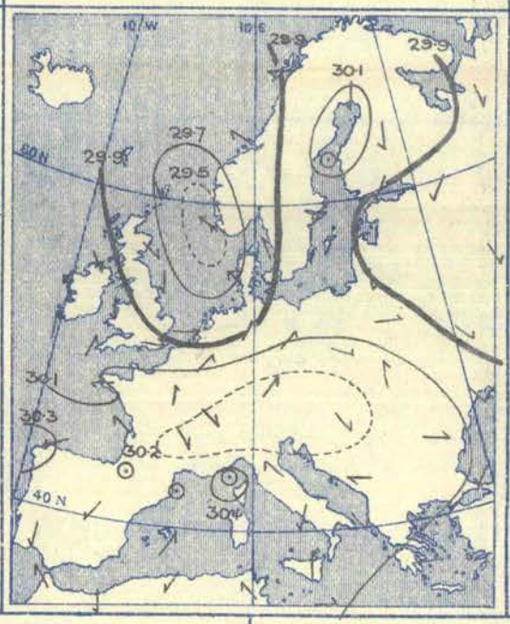
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 2nd April, 1905.

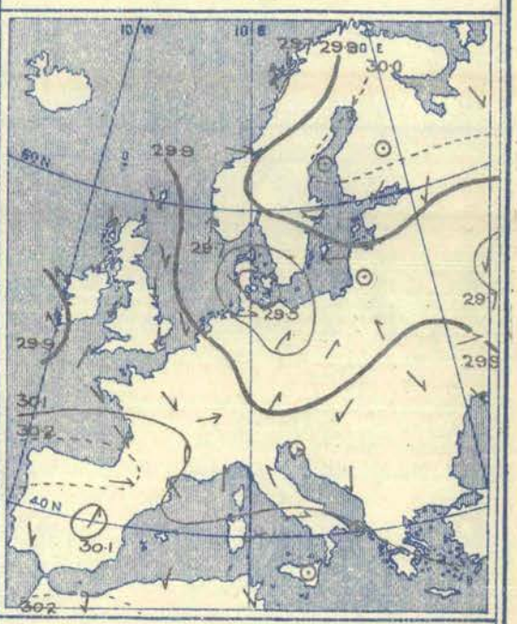
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright at several stations in the extreme south of Europe and Sweden, but cloudy or overcast generally, with rain at Constantinople, in the Netherlands, and North Germany, and showers in Ireland. Slight rain later in many parts of the United Kingdom and the Netherlands, and heavier falls over Germany.

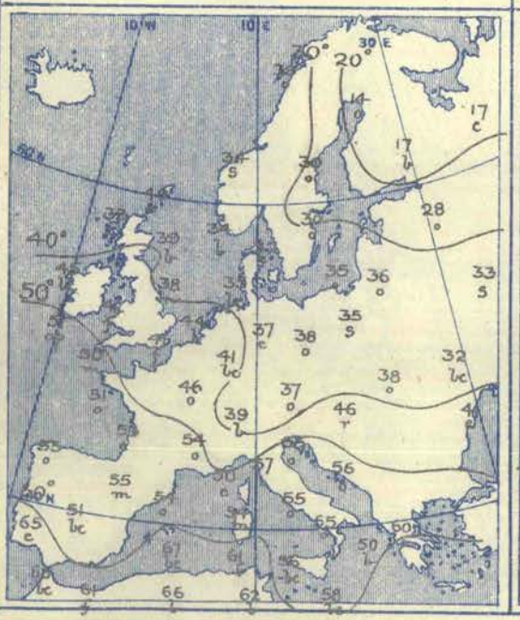
Temperature risen over our Islands, fallen generally elsewhere. Morning readings highest, 68° at Barcelona, 64° at Lisbon, 59° at Athens, and 55° at Biarritz. Lowest, 7° at Haparanda, 19° at Archangel, 26° at Bodö, 31° at St. Petersburg and Wisby, 38° at Prague, and 39° at Paris, Stornoway, and Sumburgh Head. Maxima during day, 86° at Madrid, 82° at San Fernando, above 70° in Algeria and several parts of France, and only a little lower in Italy. Thermometer not touching 60° in any part of our Islands, and remaining below 50° in places. Frost during succeeding night in Scotland and central England.

Wind at 8 a.m. showing some fairly well defined cyclonic and anticyclonic circulations. Not of much strength generally, but North-Westerly current fresh at some of our own stations, and that from the South-Eastward blowing a gale at Skudesnaes. Wind shifting to the South-Eastward in Ireland by evening, but not much change taking place generally.

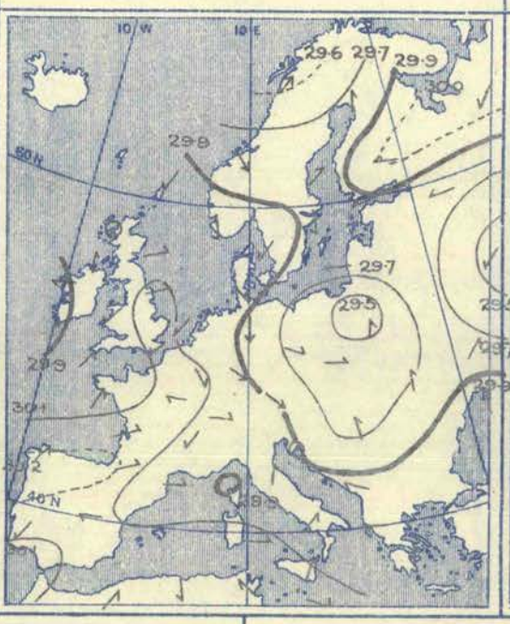
Barometer in morning highest, 30·3 ins. at Corunna, above 30·2 ins. in an anticyclone over the southern part of central Europe, and 30·1 ins. and upwards over the northern part of the Gulf of Bothnia. Lowest, 29·6 ins. and less in a depression centred between the Shetlands and Norway; relatively low over Russia. Northern depression travelling south-eastwards to Denmark during day and a fresh fall of the barometer commencing in Ireland. Anticyclone in south dispersing.

Monday, 3rd April, 1905.

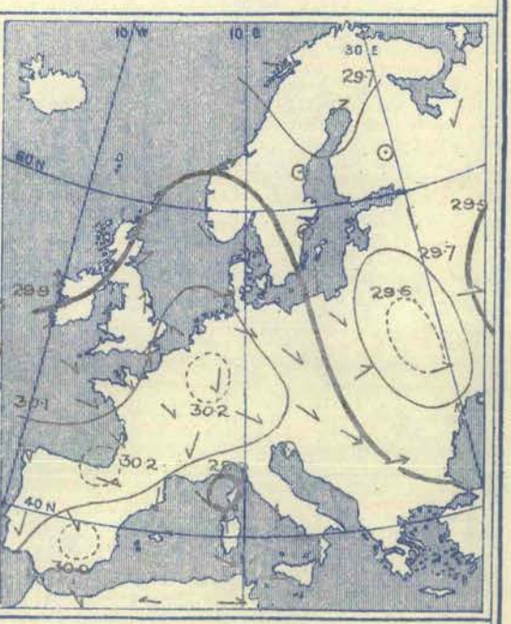
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in the far south, but cloudy or overcast over our area generally, with showers on our south-western coasts, steady rain in several parts of central Europe, and snow at Moscow, Christiansund, and Neu-Fahrwasser. Rain experienced later in the south of Russia, in various parts of our Islands, and at some French stations. Thunderstorms occurring at Perpignan and Clermont.

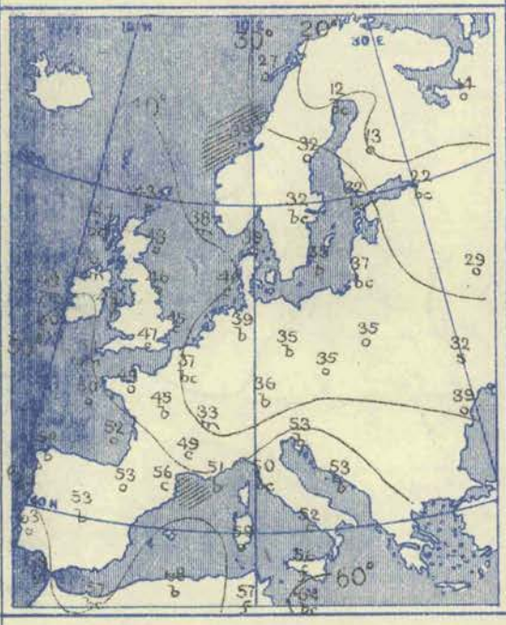
Temperature fallen in most regions, risen over France and Sweden. Morning readings ranging from 67° at Palma, 66° at Algiers and San Fernando, 65° at Lisbon, and 60° at Patras to below 40° in several parts of central Europe and Scotland, to below 30° in the far north generally, and to 14° at Uleaborg. Rising later to 56° at some of our own stations, to 54° at Paris, and to 45° at Berlin, but exceeding 70° at many of the most southern stations, and 80° in places. Highest value, 88° at Sfax.

Wind at 8 a.m. showing a cyclonic circulation over all the central countries of Europe; Northerly and North-Westerly currents fresh or strong over the west and south of Germany. Wind becoming Southerly to South-Easterly over our Islands by evening and increasing slightly in force on some parts of our western coasts.

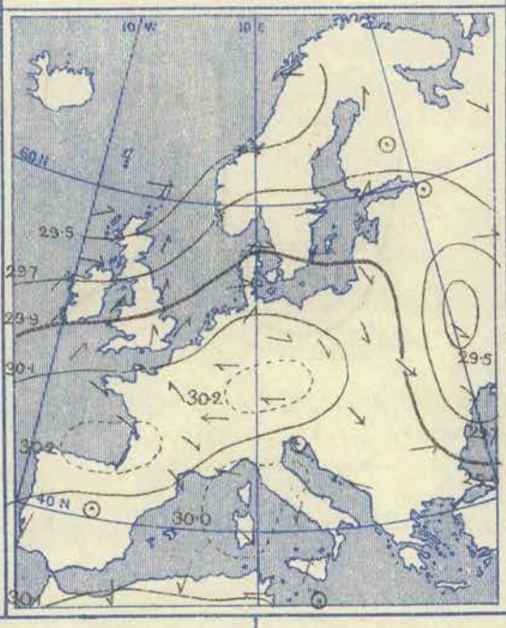
Barometer at 8 a.m. highest, 30·2 ins. to 30·1 ins. in an anticyclonic ridge extending from the north of Spain to the north-east of England. Lowest, below 29·5 ins. in a depression centred over Posen and also in another system over central Russia. Other disturbances existing over the Gulf of Lions, off the north-west of Norway, and over our own south-west coasts. High pressure ridge and depressions all travelling north-eastwards or eastwards during day, but no great change taking place in their relative positions.

Tuesday, 4th April, 1905.

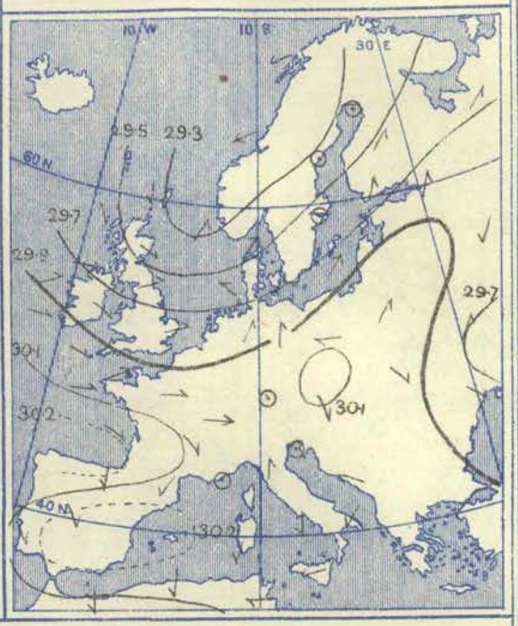
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in several parts of central and southern Europe and also on the shores of the Baltic and Gulf of Finland; cloudy or overcast in most other regions, with rain at Christiansund, Sumburgh Head, and at many of our western and north-western stations. Snow showers falling in Scotland later in day and showers of rain over England and Ireland. Rain also experienced over Germany and the east of France, and rain or snow over Scandinavia and in Little Russia.

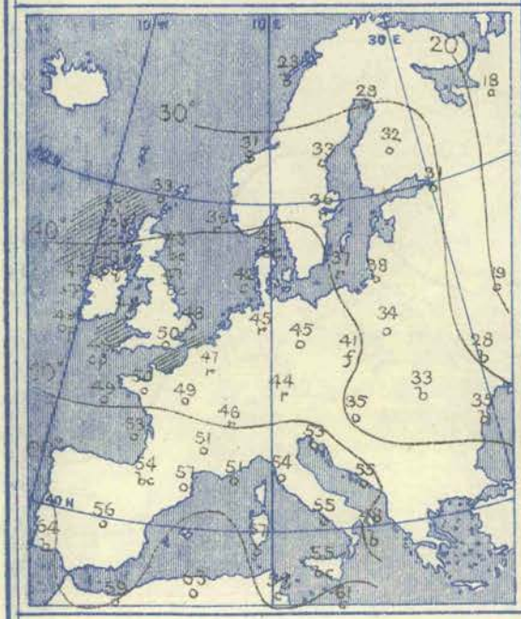
Temperature risen over these Islands, Denmark, and most of Scandinavia, fallen elsewhere. Morning readings highest, 68° at San Fernando and Algiers; 64° at Malta, 63° at Lisbon, and 56° at Perpignan. Lowest, 12° at Haparanda, 14° at Archangel, 22° at St. Petersburg, 29° at Moscow, and below 40° over almost the whole of central Europe. Rising later to 60° at Aberdeen, between 60° and 70° at the southern French stations and in Italy, to 85° at Madrid, 88° at Oran, and to 90° at Algiers. Frost continuing all day in the far north of Europe.

Wind at 8 a.m. light and anticyclonic over the Spanish Peninsula, France, and central Europe, cyclonic elsewhere. South-Westerly current fresh at some of our own stations, and a Westerly gale prevailing on the west coast of Norway. Shifting to the North-Eastward in the north-west of Norway later and blowing strongly, and to North-West or West over the United Kingdom.

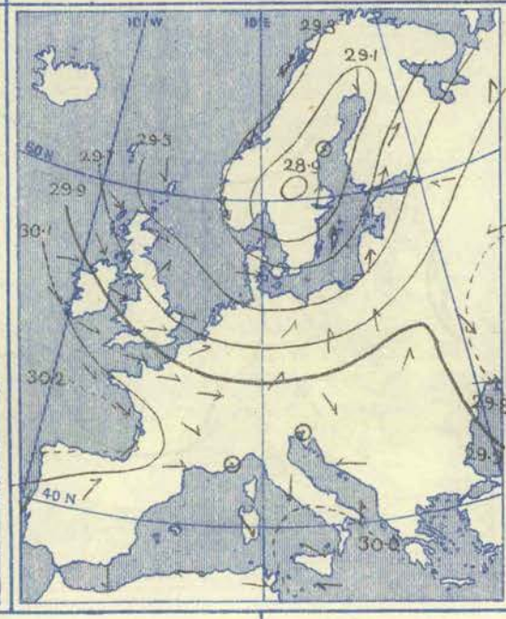
Barometer at 8 a.m. ranging from 30·1 ins. to 30·2 ins. in an anticyclone extending from the Bay of Biscay to central Europe, to 29·5 ins. and less in a depression centred over the south east of Russia and in another system off the west of Norway and the north of Scotland. Latter moving eastwards and spreading southwards by evening and anticyclone over the central countries giving way. Russian depression travelling eastwards.

Wednesday, 5th April, 1905.

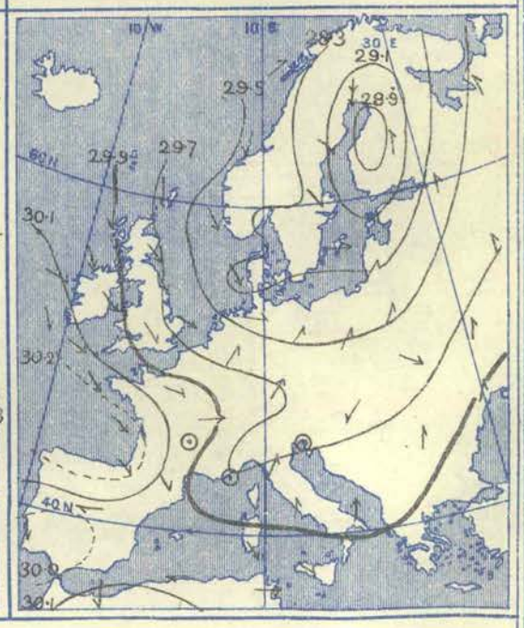
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright at a few southern stations; cloudy or overcast over our area generally, with snow squalls in Scotland, rain showers in various parts of England and Ireland, and steady rain in the south of Sweden and at some stations in central Europe. Snow falling over the north of Finland, at Hernösand, and Christiansund. Showers of hail, rain, or snow experienced later in most parts of our Islands and their vicinity, and also over Germany and Russia.

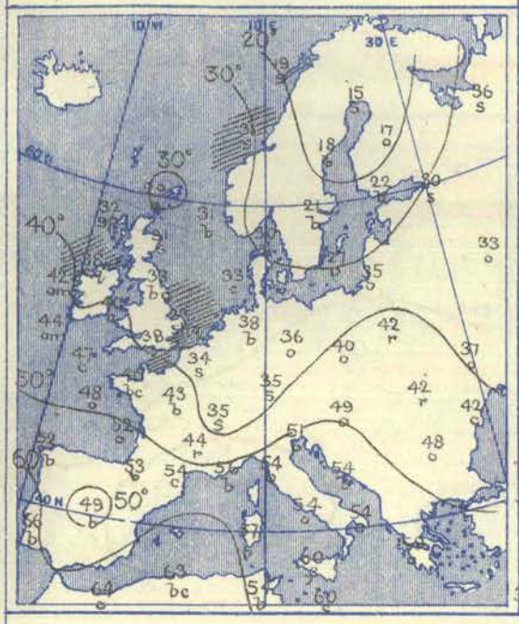
Temperature fallen over our Islands and Norway, risen in most other regions. Morning values ranging from 70° at La Calle and about 60° at a few other southern stations to below 40° over the north of Scotland and the northern half of the Continent, and to less than 20° over the northern half of Russia. Subsequently rising to 81° at Madrid and Aumale, 70° at Nice, 69° at Brindisi and Palermo, and to much above 60° in the south generally. Maximum below 40° at Wick. Sharp frost experienced at night in various parts of the United Kingdom.

Wind at 8 a.m. circulating cyclonically around the centre of Sweden. North-Westerly current fresh or strong over our Islands and strong to a gale on the west coast of Norway. Southerly current over the Baltic and the Gulf of Finland blowing a strong breeze. Light and rather moderate airs prevailing over the Mediterranean region. Wind increasing to a moderate to fresh squally gale later on our north-west and east coasts, and to a fresh or strong breeze over our islands generally.

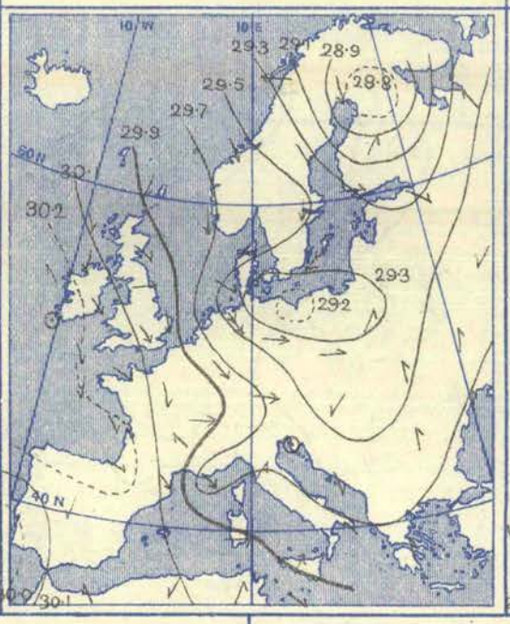
Barometer in morning ranging from above 30·2 ins. over the southern portion of the Bay of Biscay to below 29·6 ins. in the south of Russia and to below 28·9 ins. near Karlstad. Barometer rising briskly during day on our own north and north-west coasts and becoming lowest over Finland. Gradients increasing somewhat over the northern parts of our area generally and the formation of a depression over the Gulf of Genoa causing an increase in the south also

Thursday, 6th April, 1905.

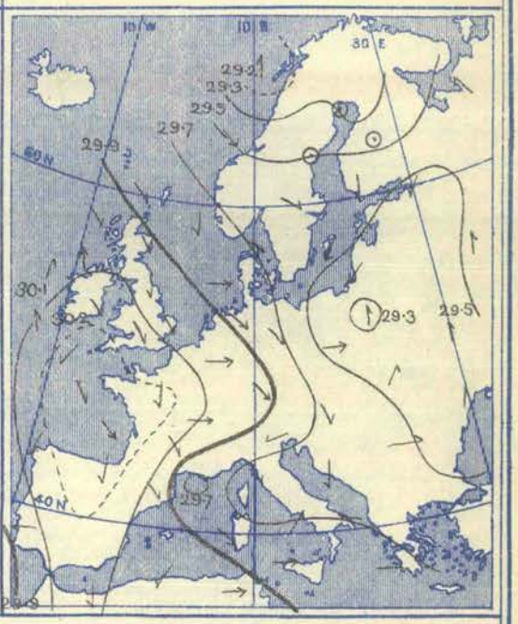
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in the Spanish Peninsula, Algeria, the Riviera, and most parts of our Islands, and also in the south of Sweden. Overcast or very cloudy over our area as a whole, with snow at some of our own eastern and northern stations, in Belgium, and in various parts of central and northern Europe. Showers of rain, sleet, snow, or hail falling later over the United Kingdom and Germany, and rain or snow in Russia.

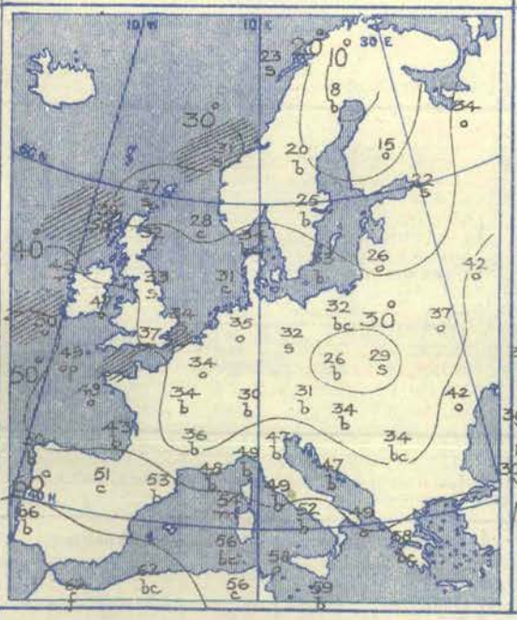
Temperature fallen generally, but risen over Austria and Italy. Morning values highest, 69° at Oporto, 64° at Nemours, 63° at Algiers and Palma, and 60° at Malta and Palermo. Lowest, 15° at Haparanda, 19° at Bodö, 22° at Helsingfors and Karlstad, 29° at Sumburgh Head, 34° at Brussels, 35° at Munich. Remaining below 40° all day at some of our own northern stations and only touching 50° at Paris. Rising to 70° at Nice and Palermo, to 72° at Algiers, 75° at Lisbon, and to 81° at Sfax.

Wind in morning showing two distinct cyclonic circulations—one in the far north and the other over the more central regions. Fresh or strong breezes reported in various districts and a gale from North-West at Cuxhaven. Calm in the centre and south of Ireland and South-Easterly at Blacksod Point. Backing to the Southward and South-Westward over our western coasts generally during day. Increasing to a strong breeze or slight gale from North-West or North over the western part of the Mediterranean and the Baltic.

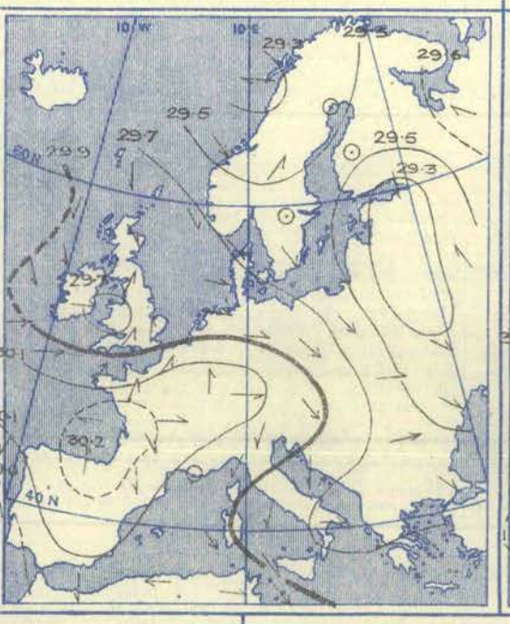
Barometer at 8 a.m. ranging from above 30·2 ins. in an anticyclone over the Bay of Biscay and most of Ireland to less than 29·2 ins. in a depression over the southern part of the Baltic, and to 28·8 ins. and less in a deeper system over the north of Finland. Pressure giving way slowly on our western coasts during day and quickly during the night. Anticyclone receding southwards and a well-marked depression passing over Ireland from the Atlantic.

Friday, 7th April, 1905.

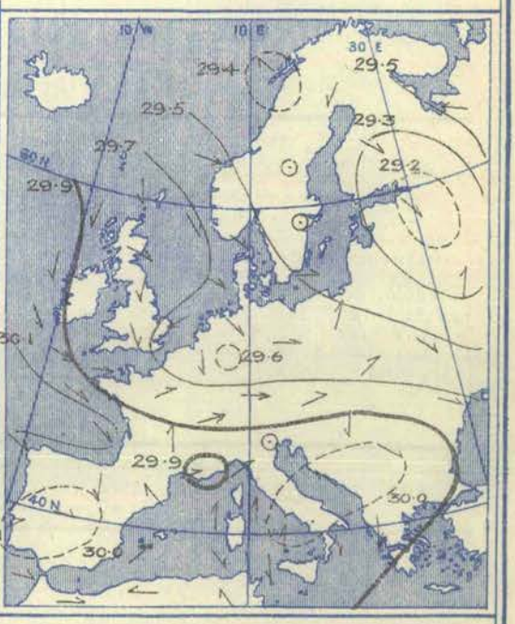
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in several parts of Sweden, central Europe, France, and the other southern regions; cloudy or overcast throughout the United Kingdom, with snow in the north and east, rain in the west and south. Snow also falling at the Helder, Berlin, Swinemünde, and St. Petersburg, as well as at Lemberg. Snow falling later in Russia, Scandinavia, and Scotland, and rain over England, Ireland, and the nearer portion of the Continent—heaviest amount, 1·3 in. at Cape Gris Nez.

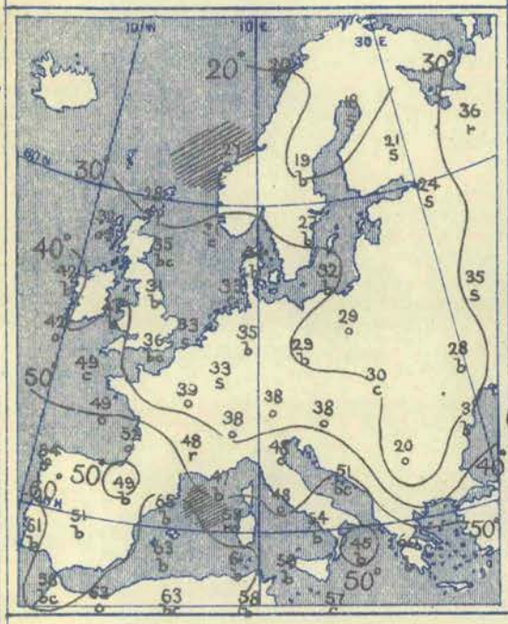
Temperature fallen except in Scandinavia and our Islands. Morning values highest, 69° at Oporto 62° at Algiers, 59° at Malta, 58° at Athens, and 53° at Perpignan. Lowest, (1) 8° at Haparanda, 15° at Kuopio, 22° at St. Petersburg, (2) 26° at Wick, 27° at Sumburgh Head, 32° at Aberdeen, (3) 27° at Belfort, 30° at Munich, 34° at Paris. Rising later to 81° at Madrid, 84° at Sfax, and about 70° at a few southern French and Italian stations. Remaining below 42° in many parts of central Europe, and below 40° on our own east coasts.

Wind in morning cyclonic except over France and Spain; three distinct circulations prevailing over the northern half of our area. Fresh or strong from the North-Westward or Westward in various localities, but light or moderate generally. Wind becoming more Northerly over England later, but little other change occurring.

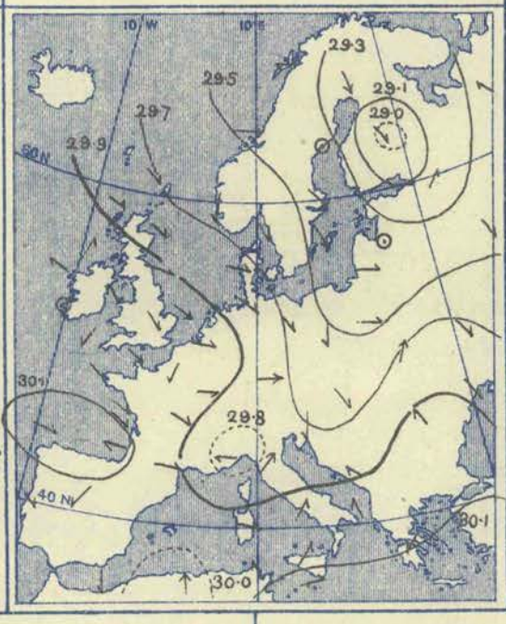
Barometer at 8 a.m. ranging from above 30·2 ins. in an anticyclone over the centre and the west and south-west of France, to below 29·7 ins. in a depression centred over England, and to less than 29·3 ins. in two other disturbances—one over the west of Russia and the other in the north of Norway. Anticyclone partially dispersing lately and depression over England moving quickly to Germany. Russian depression remaining almost stationary, but increasing in depth; that over Norway moving slowly eastward.

Saturday, 8th April, 1905.

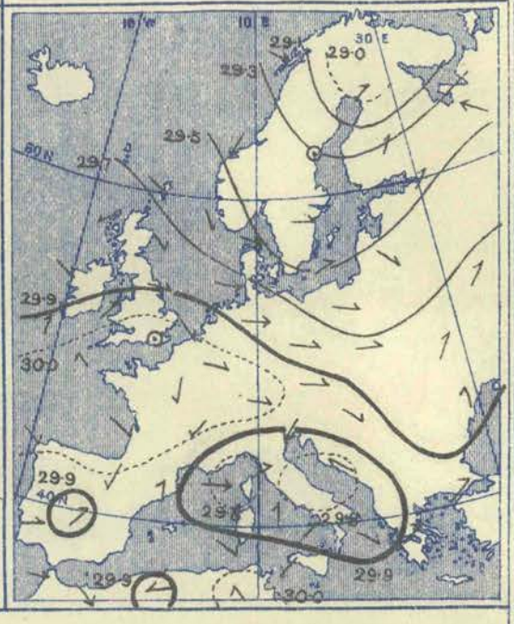
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in most parts of Ireland, England, Sweden, Denmark, and southern Europe; cloudy or overcast elsewhere, with snow in the north of Scotland, at Flushing, Brussels, and various parts of northern and central Europe, and rain at Le Mans, Lyons, and Florence. Rain in most parts of our Islands later and also in a few continental regions, but amounts not heavy.

Temperature changed irregularly. Morning readings highest, 63° at Palma, Algiers, and Oporto, 60° at Patras, and 59° at Palermo. Lowest, 18° at Uleaborg, 19° at Hernösand, 20° at Hermanstadt, 28° at Sumburgh Head, 29° on the shores of the Baltic, 30° at Kharkov, and 31° at Odessa. Rising subsequently to slightly above 50° at our own most southern stations, to between 60° and 70° in the south of France and Italy, and to above 70° in Spain, Algeria, and Sicily. Highest reading, 82° at Madrid.

Wind at 8 a.m. showing two cyclonic circulations—one in the north of Europe, the other in the south. Not much force generally, but fresh or strong in places. Light anticyclonic airs prevailing in the extreme west and south-west of our area. Southerly and South-Westerly winds setting in later on our own west and south-west coasts, but little change generally.

Barometer at 8 a.m. ranging from above 30·1 ins. in an anticyclone centred over the north of Spain to 29·8 ins. and less in a depression over the Gulf of Genoa, and to below 29·0 ins. in a larger system over Finland. Anticyclone giving way on its western side during day, and depressions approaching our western coasts from the Atlantic. Southern depression becoming deeper and complex.

IV.—GENERAL NOTES.

Although there was no large or well established anticyclone, pressure was generally highest over the south-western or western part of our area. Depressions were numerous and affected every part of Europe some time during the week. The system that moved quickly southwards from Scandinavia to Germany on Wednesday was followed by a very brisk rise of the barometer in the north-west and north generally, and the Northerly and North-Westerly winds that sprang up were accompanied by a decided and general decrease of temperature over our Islands and most other countries in the western half of Europe. The frosts experienced in Scotland and the north of England during the latter half of the week were very severe for the time of year. At Wick and North Shields the thermometer fell to 20° and 24° respectively—lower than during any April since 1871. Rain or snow was of frequent occurrence over all the more northern regions, but in the south the weather was almost continuously fine and dry. Scarcely any gales were reported, but some of the various cyclonic winds were at times fresh or strong from between North-West and West. The daily maximum temperatures over the Mediterranean region were frequently above 70° and in Spain and Algeria sometimes above 80°.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 80.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	39·8	+ 8·3	42	+ 9
STRATHPEFFER SPA	37·8	+ 8·7	41	+ 9
CRATHES	49·6	—	53	—
BALRUDDERY	61·8	—	66	—
EDINBURGH	37·4	+11·1	40	+ 12
COCKLE PARK	50·8	—	55	—
NEWCASTLE-on-TYNE	36·0	—	39	—
SALTBURN-by-the-SEA	43·4	—	47	—
YORK	43·7	+15·1	48	+ 16
SKEGNESS	44·0	—	48	—
CROMER	40·5	—	44	—
LOWESTOFT	38·3	—	42	—
DUNMOW	35·1	—	39	—
SHEFFIELD	45·9	—	50	—
WORKSOP	41·7	+ 14·2	45	+ 15
MARGATE	33·5	+ 0·2	37	0
BROADSTAIRS	35·8	—	39	—
RAMSGATE	36·4	—	40	—
EASTBOURNE	23·9	- 13·1	26	- 14
BRIGHTON	25·6	- 11·0	28	- 12
WORTHING	25·7	—	28	—
BOGNOR	26·7	—	29	—
VENTNOR HOSPITAL	22·8	- 16·9	25	- 19
BOURNEMOUTH	20·9	—	23	—
MARLBOROUGH	23·1	- 7·1	25	- 8
SOUTHPORT	40·2	—	44	—
RHYL	34·5	—	38	—
ABERDOVEY	23·4	—	26	—
TENBY	26·6	- 12·8	29	- 14
TORQUAY	29·7	- 8·7	33	- 10
NEWQUAY	27·6	- 10·0	30	- 11
GUERNSEY	25·0	- 16·7	27	- 18

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 9, page 50	London	—	—	—	—	—	—	—	—	5	0·27	-0·10	—	—	—	—
" " "	Spurn Head	—	—	—	—	—	—	—	—	—	0·28	-0·02	—	—	—	—
No. 11, page 62	" "	—	—	—	—	—	—	—	—	6	0·43	+0·17	—	—	—	—
" " "	Birr Castle	—	—	—	—	—	—	—	—	—	1·05	+0·55	—	—	—	—
No. 13, page 74	Spurn Head	—	—	—	—	—	—	—	—	3	0·17	-0·10	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 15. FIFTEENTH WEEK, ENDING SATURDAY, APRIL 15TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 86.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	59	22	47·5	34·2	40·6	2 below	15	− 9	29	+ 9	140	−17	413	− 80
	1. SCOTLAND, EAST	61	24	48·6	34·7	41·3	2 below	18	−13	28	+ 7	202	− 5	451	− 95
	2. ENGLAND, N.E.	63	25	50·3	39·2	44·5	1 above	29	0	8	− 7	265*	+49	341*	−120
	3. ENGLAND, EAST	63	31	52·9	42·3	47·4	2 above	38	0	0	−16	287	+21	329	−175
	4. MIDLAND COUNTIES	63	28	53·9	40·1	46·7	2 above	41	+ 1	5	−11	331	+39	353	−153
	5. ENGLAND, SOUTH	65	31	54·4	43·2	48·5	2 above	46	+ 4	0	−10	323	+ 9	254	−130
Principal Grazing Districts.	6. SCOTLAND, WEST	53	26	50·6	37·0	43·5	1 below	32	0	14	0	252	+30	279	−112
	7. ENGLAND, N.W.	62	25	53·1	40·2	46·4	1 above	38	+ 5	5	− 7	294	+57	258	−119
	8. ENGLAND, S.W.	61	33	54·0	42·8	48·1	2 above	43	+ 4	0	− 7	344	+ 9	200	− 93
	9. IRELAND, NORTH	62	29	51·7	38·0	44·5	1 below	34	− 2	11	+ 1	304	+11	256	− 70
	10. IRELAND, SOUTH	60	30	51·8	41·1	46·2	1 below	33	− 9	3	− 4	422	+33	161	− 84
	— CHANNEL ISLANDS	60	43	54·9	47·3	50·9	2 above	62	+17	0	− 1	523	+94	55	− 64

Rainfall.

	DISTRICTS. (See p. 86.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	6	1 less	90	+21	19·1	+ 5·6
	1. SCOTLAND, EAST	5	6	2 more	65	+ 9	7·3	− 0·9
	2. ENGLAND, N.E.	4	4	0 (average)	47	− 6	3·7*	− 2·3
	3. ENGLAND, EAST	4	8	4 more	56	+ 2	5·0	− 0·7
	4. MIDLAND COUNTIES	5	6	2 more	56	+ 5	5·7*	− 1·1
	5. ENGLAND, SOUTH	5	8	4 more	57	+ 6	7·4	− 0·1
Principal Grazing Districts.	6. SCOTLAND, WEST	4	6	1 less	73	+13	14·7	+ 0·1
	7. ENGLAND, N.W.	4	2	2 less	66	+11	8·6	− 0·1
	8. ENGLAND, S.W.	6	13	7 more	62	+ 4	10·3*	− 0·4
	9. IRELAND, NORTH	4	3	2 less	80	+13	11·1	+ 1·6
	10. IRELAND, SOUTH	6	10	4 more	75	+14	11·7	0·0
	— CHANNEL ISLANDS	6	12	7 more	69	+ 6	9·4	+ 0·2

Bright Sunshine.

	DISTRICTS. (See p. 86.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	26	− 6	26	− 7	218	− 29	21	− 3
	1. SCOTLAND, EAST	13	−18	14	−19	287	− 15	27	− 2
	2. ENGLAND, N.E.	15	−14	16	−15	332	+ 4	31	0
	3. ENGLAND, EAST	18	−19	18	−20	366	+ 31	34	+ 3
	4. MIDLAND COUNTIES	20	−14	22	−15	301	+ 13	28	+ 1
	5. ENGLAND, SOUTH	23	−14	25	−15	337	+ 10	31	+ 1
Principal Grazing Districts.	6. SCOTLAND, WEST	26	−12	28	−12	316	+ 27	30	+ 3
	7. ENGLAND, N.W.	24	−10	26	−11	312*	+ 51	29	+ 5
	8. ENGLAND, S.W.	19	−21	20	−22	317	− 19	29	− 2
	9. IRELAND, NORTH	32	− 1	33	− 1	314	+ 30	29	+ 3
	10. IRELAND, SOUTH	21	−15	23	−16	307	− 21	28	− 2
	— CHANNEL ISLANDS	26	−17	28	−18	345	− 49	31	− 4

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather during this week was cloudy or dull and unsettled generally. Rain fell on most days and snow showers prevailed in the north of Scotland during the earlier part of the period. A thunderstorm was experienced at Fulbeck and Colly Weston on Friday and at Glasgow on Saturday.

Temperature was slightly above the average over England and the Channel Islands, and a little below it in Ireland and Scotland. The highest of the maxima were recorded on the 13th, when they ranged from 65° in England S. (Brixton) to 58° in Scotland W. The lowest of the minima, which occurred at most stations on the 9th, were as low as 22° in Scotland N., 24° in Scotland E., and 25° in England N.E. and N.W. Elsewhere they ranged from 26° in Scotland W. to 33° in England S.W., and to 43° in the Channel Islands.

Rainfall was considerably in excess of the mean over the eastern, southern, and south-western counties of England as well as in the Channel Islands, and rather in excess in Scotland E. and the Midland Counties. In England N.E., the fall just equalled the average, while in England N.W., Scotland W. and N., and Ireland N. it was less.

Bright Sunshine was deficient in all districts. The percentage of the possible duration ranged from 33 in Ireland N. to 20 in England S.W., 16 in England N.E., and to 14 in Scotland E.

Barometer and Wind. During the earlier days of the week shallow depressions passed in an easterly direction both over the north of Scotland and the extreme south of England, and the winds were consequently variable and light. After Tuesday no disturbance except some insignificant secondaries, travelled over the Kingdom, but a large and rather deep system appeared off our western coasts and caused a decided fall of the barometer and a great increase in the steepness of the gradients for Southerly and South-Easterly winds. Fresh or strong breezes became very general during the latter half of the period, and on some parts of our western and south-western coasts and in the north of Scotland they sometimes attained the force of a moderate gale. In the Scilly Isles a fresh gale was experienced on the 12th and again on the 15th.

3558 370 Wy. & S. Ltd. 4 | 05

II.—DATA from which the SUMMARY on page 85 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
April 9-15, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.				
O. SCOTLAND, N.	Sumburgh Head	44	23	40·4	33·7	36·9	− 4·3	0	36	7	1·09	+ 0·61	*	*	*	*
	Stornoway	55	26	48·1	34·9	41·2	− 1·5	17	27	5	1·07	+ 0·47	36·0	+ 0·6	37	+ 1
	Wick	50	22	46·1	33·4	39·5	− 3·3	11	31	5	0·76	+ 0·37	*	*	*	*
	Lairg Ꞩ	56	23	49·1	32·4	40·4	− 1·0	20	36	5	0·17	− 0·40	*	*	*	*
	Glencarron Ꞩ	59	26	49·7	35·5	42·3	+ 0·1	29	18	4	0·13	− 0·96	*	*	*	*
	Fort Augustus Ꞩ	58	26	51·8	35·2	43·1	− 0·9	36	19	2	0·09	− 0·42	22·9	− 3·2	24	− 3
1. SCOTLAND, E.	Nairn	59	26	52·3	33·3	42·3	− 1·2	39	24	3	0·08	− 0·23	*	*	*	*
	Aberdeen	47	28	44·1	34·7	39·2	− 4·4	6	26	5	1·52	+ 1·04	14·1	− 20·9	15	− 22
	Braemar Ꞩ	50	24	45·2	31·3	38·2	− 2·0	9	36	5	0·63	+ 0·12	*	*	*	*
	Clathick Ꞩ	56	26	50·3	35·2	42·4	− 1·7	31	19	6	0·55	+ 0·02	*	*	*	*
	Leith	61	29	51·7	37·0	44·0	− 0·5	35	14	3	0·20	− 0·13	*	*	*	*
	Marchmont Ꞩ	57	24	47·7	36·1	41·6	− 1·0	16	23	5	0·77	+ 0·24	13·9	− 17·9	15	− 19
2. ENGLAND, N.E	Alnwick Castle	52	27	46·4	38·9	42·5	− 0·1	17	9	5	0·89	+ 0·41	*	*	*	*
	Durham	57	25	51·3	37·8	44·2	+ 0·8	33	12	4	0·62	+ 0·18	12·0	− 17·2	13	− 18
	Shields	54	29	47·6	36·3	41·7	− 1·7	16	22	4	0·55	+ 0·18	*	*	*	*
	Scarborough M	54	33	48·6	39·5	43·8	− 0·3	23	7	4	0·10	− 0·30	11·9	—	12	—
	Spurn Head	52	33	48·4	40·3	44·2	0·0	23	5	2	0·06	− 0·24	*	*	*	*
	Lincoln	63	35	55·3	41·3	48·0	+ 2·9	45	2	4	0·29	− 0·08	*	*	*	*
	Fulbeck	61	34	54·3	40·6	47·1	+ 2·4	42	4	5	0·50	+ 0·13	21·6	—	23	—
3. ENGLAND, E.	Hillington M	63	33	55·4	41·0	47·9	+ 2·5	46	3	4	0·27	− 0·12	11·5	− 23·3	12	− 25
	Yarmouth	52	32	47·4	41·0	44·1	0·0	19	3	4	0·58	+ 0·20	*	*	*	*
	Geldeston	62	33	53·0	41·4	46·9	+ 1·8	37	2	4	0·58	+ 0·23	16·5	− 20·3	17	− 21
	Cambridge	62	33	56·0	41·6	48·5	+ 2·3	47	1	5	0·69	+ 0·35	16·8	− 19·1	18	− 20
	Felixstowe	53	40	50·5	44·7	47·5	+ 1·7	39	0	3	1·10	—	27·6	—	29	—
	Clacton-on-Sea	54	35	50·6	43·6	46·9	+ 0·9	34	0	3	1·16	—	24·8	—	26	—
	Rothamsted	63	31	55·3	40·7	47·7	+ 2·7	45	4	5	0·80	+ 0·36	21·0	− 12·8	22	− 14
	Shoeburyness	62	37	55·0	44·4	49·5	+ 2·9	53	0	4	1·16	+ 0·86	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	59	29	52·2	38·9	45·2	+ 1·7	35	9	4	0·48	− 0·01	20·6	—	22	—
	Bawtry (Hesley Hall)	63	28	56·1	39·3	47·3	+ 1·9	48	8	3	0·26	− 0·12	*	*	*	*
	Nottingham	63	35	55·0	40·4	47·4	+ 1·7	45	4	5	0·24	− 0·14	22·0	—	23	—
	Colly Weston (Stamford)	62	35	55·3	40·6	47·6	+ 1·9	45	4	7	0·51	+ 0·14	*	*	*	*
	Cheadle M	58	35	52·1	39·8	45·7	+ 1·4	35	6	6	0·46	− 0·01	*	*	*	*
	Birmingham (Edgbaston)	58	35	52·3	41·3	46·5	+ 1·7	34	2	5	0·90	—	19·7	—	21	—
	Shrewsbury	60	35	55·1	40·9	47·7	+ 2·2	45	3	4	0·22	− 0·21	*	*	*	*
	Hereford M	60	35	54·3	39·5	46·5	+ 0·7	42	7	5	1·06	+ 0·69	*	*	*	*
	Cirencester	57	32	52·5	39·4	45·6	+ 1·1	36	7	5	1·34	+ 0·90	18·7	− 16·7	20	− 18
	Oxford	60	35	53·9	40·9	47·1	+ 0·8	40	3	5	0·97	+ 0·60	17·0	− 17·2	18	− 18
	Westminster	63	34	57·4	43·7	50·2	+ 2·6	57	0	5	0·76	—	21·9	− 3·8	23	− 4
5. ENGLAND, S.	London (Brixton)	65	34	59·0	43·7	51·0	+ 3·8	63	0	3	0·74	+ 0·36	19·3‡	− 9·3‡	21‡	− 10‡
	Wisley (Surrey)	61	34	56·0	42·6	49·0	+ 1·7	49	0	5	0·66	—	21·1	—	22	—
	Swarraton (Alresford) M	59	31	54·1	40·8	47·1	+ 2·4	41	3	6	0·76	+ 0·32	*	*	*	*
	Tunbridge Wells M	63	33	56·2	42·3	48·9	+ 2·9	48	0	5	0·90	—	31·8	—	34	—
	Dungeness	57	37	52·1	44·7	48·2	+ 2·6	43	0	3	0·82	+ 0·50	27·4	—	29	—
	Hastings (St. Leonards)	58	38	52·9	44·7	48·6	+ 2·4	46	0	5	0·83	+ 0·40	24·4	− 15·2	26	− 16
	Southampton	61	39	55·5	44·1	49·5	+ 1·8	53	0	5	0·89	+ 0·45	21·7	− 16·5	23	− 18
	Portland Bill	56	38	53·1	44·7	48·7	+ 1·1	47	0	6	0·77	—	*	*	*	*
	Shaftesbury M	56	35	50·9	41·4	45·9	+ 0·6	30	2	5	0·86	+ 0·30	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	58	29	51·7	34·4	42·6	− 2·6	36	21	4	1·07	+ 0·15	*	*	*	*
	Glasgow	57	31	50·9	38·5	44·4	+ 0·2	32	10	4	0·13	− 0·35	17·2	− 11·5	18	− 12
	Cally Ꞩ	52	26	49·6	36·1	42·5	− 2·1	28	17	4	0·50	− 0·12	*	*	*	*
	Aspatria	58	30	52·0	39·8	45·6	+ 1·5	34	6	5	0·72	—	32·9	—	34	—
	Douglas (Isle of Man)	52	26	48·7	36·3	42·2	− 2·7	25	16	5	0·38	− 0·18	29·1	− 11·6	30	− 12
7. ENGLAND, N.W.	Newton Rigg	58	25	50·1	37·4	43·5	+ 0·5	30	13	5	0·53	—	25·9	—	27	—
	Stonyhurst	56	32	50·9	40·8	45·6	+ 1·0	30	3	4	0·25	− 0·32	22·9	− 10·3	24	− 11
	Blackpool M	58	29	52·7	40·3	46·2	+ 0·9	37	5	4	0·40	0·00	27·9	− 5·4	29	− 6
	Manchester (Prestwich)	59	30	53·3	40·8	46·8	+ 1·9	39	3	4	0·23	− 0·23	21·0	—	22	—
	Liverpool Obsy. (Bidston)	59	35	54·1	40·6	47·0	+ 0·9	41	4	3	0·07	− 0·29	26·9	—	28	—
	Chester (Hawarden Bridge)	61	35	55·4	39·9	47·3	+ 0·6	46	6	3	0·16	—	*	*	*	*
	Llandudno M	61	34	53·9	41·7	47·5	+ 0·9	40	1	2	0·03	− 0·37	19·8	− 14·9	21	− 16
	Holyhead	58	36	51·9	40·3	45·8	− 0·5	34	5	5	0·15	− 0·30	*	*	*	*
	Bettws-y-Coed	62	36	55·9	40·3	47·7	+ 1·5	47	5	4	0·10	—	24·9	—	26	—
8. ENGLAND, S.W.	Llangammarch Wells	57	34	52·2	39·7	45·7	+ 1·8	36	6	6	0·74	—	17·3	—	18	—
	Pembroke	52	39	50·7	44·0	47·2	+ 1·4	36	0	6	0·86	+ 0·42	18·4	− 22·4	20	− 24
	Cardiff	58	33	54·6	40·2	47·1	+ 0·4	43	5	6	1·31	—	*	*	*	*
	Clifton	60	35	54·4	42·0	47·9	+ 1·7	41	0	5	1·44	+ 0·94	*	*	*	*
	Bath	61	33	55·4	41·1	47·9	+ 1·2	45	3	5	1·27	+ 0·80	20·0	—	21	—
	Arlington (N. Devon)	59	38	54·0	42·9	48·2	+ 3·7	43	0	7	1·34	+ 0·66	*	*	*	*
	Cullompton M	59	34	55·7	43·1	49·1	+ 1·9	50	0	7	1·43	+ 0·88	14·0	− 21·5	15	− 23
	Falmouth	58	42	54·0	45·7	49·7	+ 2·4	54	0	6	2·10	+ 1·43	22·2	− 19·1	24	− 20
	Plymouth	58	42	54·9	46·2	50·3	+ 2·6	58	0	6	1·78	+ 1·24	20·7	− 18·7	22	− 20
9. IRELAND, N.	Malin Head	60	32	52·7	36·7	44·3	− 1·1	38	15	2	0·07	− 0·37	*	*	*	*
	Edenfel (Omagh)	62	31	53·1	37·4	44·9	+ 0·7	40	13	4	0·20	− 0·34	*	*	*	*
	Blacksod Point	58	38	50·9	41·9	46·2	− 0·6	30	0	4	0·06	− 0·01	*	*	*	*
	Markree Castle	61	29	52·7	36·6	44·3	− 1·1	39	15	4	0·40	− 0·17	25·8	− 7·4	27	− 8
	Armagh	58	32	51·6	38·3	44·6	− 0·2	34	10	5	0·23	− 0·25	37·4	+ 5·4	39	+ 6
	Donaghadee	54	34	49·3	36·9	42·8	− 2·6	27	14	2	0·39	− 0·06	*	*	*	*
10. IRELAND, S.	Dublin	59	34	52·5	40·3	46·1	− 0·9	36	5	6	0·53	+ 0·07	22·0	− 14·7	23	− 15
	Birr Castle	58	31	52·4	38·3	45·0	− 1·0	37	10	5	0·34	− 0·16	26·8	− 7·6	28	− 8
	Kilkenny	55	30	50·3	39·7	44·8	− 1·8	29	6	6	0·94	+ 0·42	*	*	*	*
	Waterford	55	32	51·3	41·3	46·1	+ 0·1	32	2	6	0·95	+ 0·35	*	*	*	*
	Roche's Point	53	36	50·9	43·1	46·6	− 0·8	34	0	5	0·70	− 0·03	*	*	*	*
	Valencia	55	38	52·0	43·4	47·5	− 0·6	39	0	6	2·07	+ 1·18	15·4	− 22·0	16	− 23
	Killarney	60	34	52·4	41·9	47·4	+ 0·4	38	0	7	1·62	+ 0·32	*	*	*	*
	Foynes												*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	57	46	53·7	47·4	50·4	+ 2·0	59	0	5	1·42	+ 0·92	27·3	− 13·7	29	− 15
	Jersey (St. Aubyn's)	60	43	56·0	47·1	51·3	+ 2·7	65	0	7	0·96	+ 0·50	24·4	− 19·9	26	− 21

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked Ꞩ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

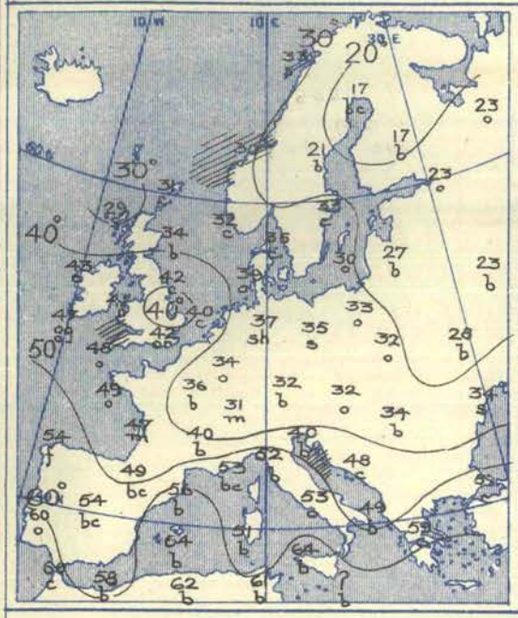
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

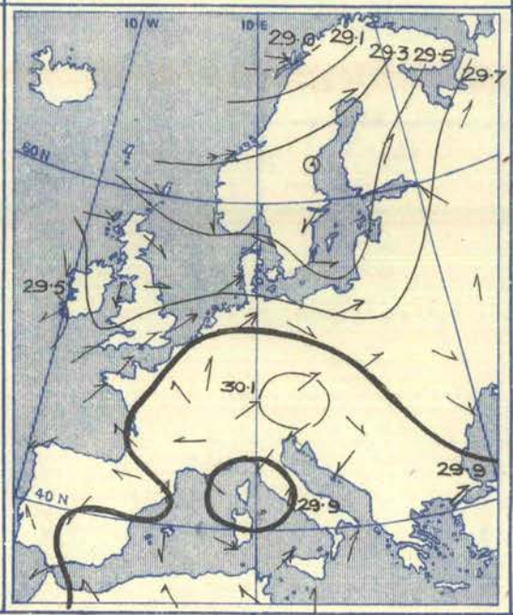
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 9th April, 1905.

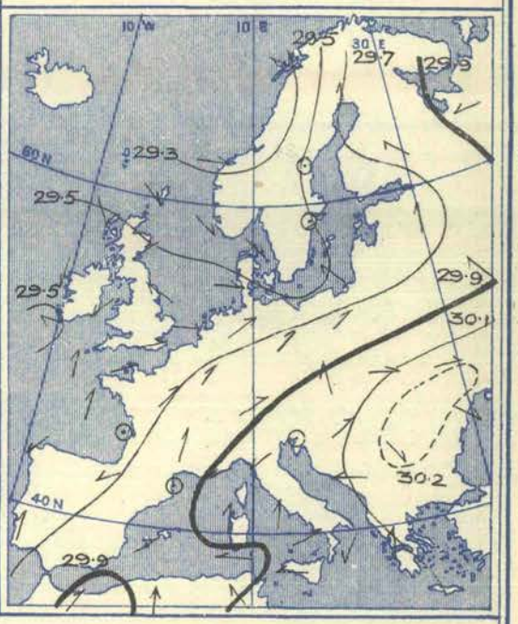
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in many parts of Sweden, Finland, France, and the south of Europe; cloudy or overcast elsewhere, with rain in several parts of England, snow in the Hebrides, at Bodö, over Germany, and at Odessa. Remaining dull and rainy over the greater portion of England and Ireland; heavy rain falling in Portugal, and rain or snow in Scandinavia and Russia.

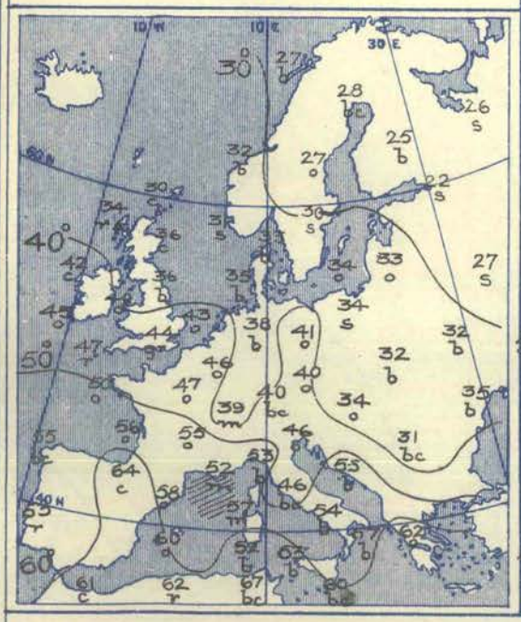
Temperature changed rather irregularly—fallen in the south of our area. Morning values ranging from 66° at Barcelona and about 60° at other Mediterranean stations to about 30° in the north of Scotland, and to below 20° in Finland and the north of Sweden. Maxima below 40° at some Scottish stations, but above 50° on our extreme southern coast, above 60° in Italy and the south of France, and above 70° in Algeria. Highest value, 81° at Aumale. Frost continuing all day in the north of Sweden and frost occurring in Scotland at night.

Wind at 8 a.m. cyclonic except over the central countries. Fresh from South-West over the southern half of our Islands and the North Sea and strong to a gale from the Westward along the west coast of Norway. Fresh or strong from various directions over the Baltic and Mediterranean. Decreasing in force in most places later. Becoming Southerly to Easterly on our south-west coasts.

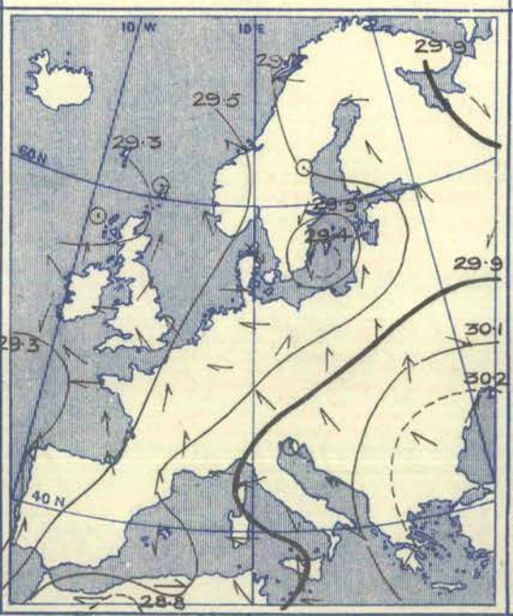
Barometer in morning ranging from above 30·1 ins. in an anticyclone centred over Austria to below 29·9 ins. in a depression over Corsica and its vicinity, less than 29·7 ins. in a disturbance approaching the south-west of Ireland, and to 29·0 ins. at Bodö. A shallow "V" shaped depression shown over England. Anticyclone travelling eastwards during day and increasing somewhat in intensity. Barometer falling steadily on our own south-west coasts.

Monday, 10th April, 1905.

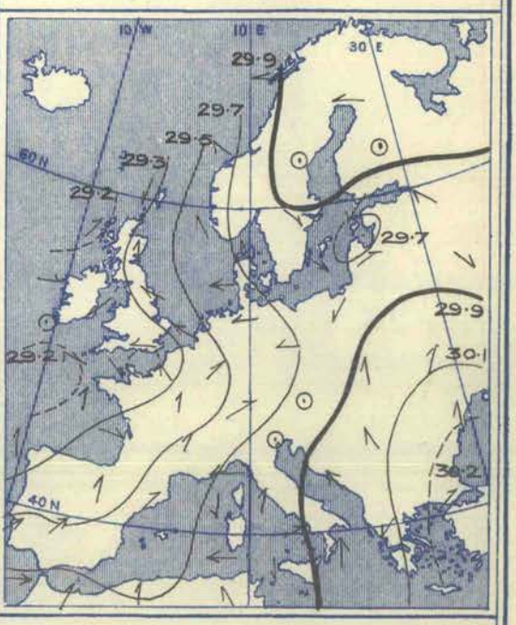
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in the southern countries and in various parts of northern Europe. Cloudy or overcast generally, with rain in England and Ireland, the adjacent portion of the Continent, and in Portugal, and snow in the north of Scotland, at Skudesnaes, Stockholm, and in the centre and north of Russia. Rain continuing during day over our Islands, the north of France, Belgium, and Portugal, and a considerable quantity falling at Turin—largest amounts, 1·3 in. at Cape Gris Nez and 1·0 in. at Oporto. Thunderstorms experienced in the west of France.

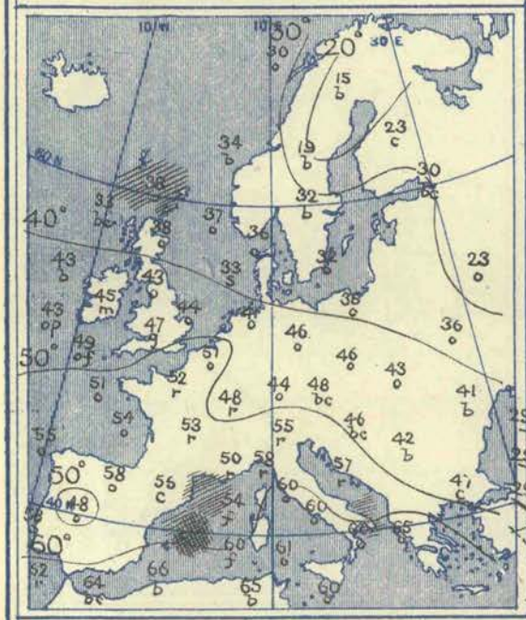
Temperature in morning ranging from 67° at La Calle and 63° at Palermo to below 30° in nearly all parts of Russia and Sweden. Lowest reading, 22° at St. Petersburg. Below 40° over Scotland and in several parts of central Europe. Maxima during day above 80° in Tunis and Sicily, above 70° in some parts of Italy and the south-west of France, 66° at Paris, and about 50° in the south of England. Frost at night in Scotland.

Wind at 8 a.m. mainly South-Easterly or Easterly over France, England, and Ireland, and Southerly or South-Easterly over the Spanish Peninsula. A complete cyclonic circulation prevailing around Gothland and an anticyclonic movement over the south-east of our area. Very little force as a whole, but a fresh breeze reported in places and a strong breeze at Memel and Skudesnaes. Little change later, but some increase in force taking place in the Mediterranean region.

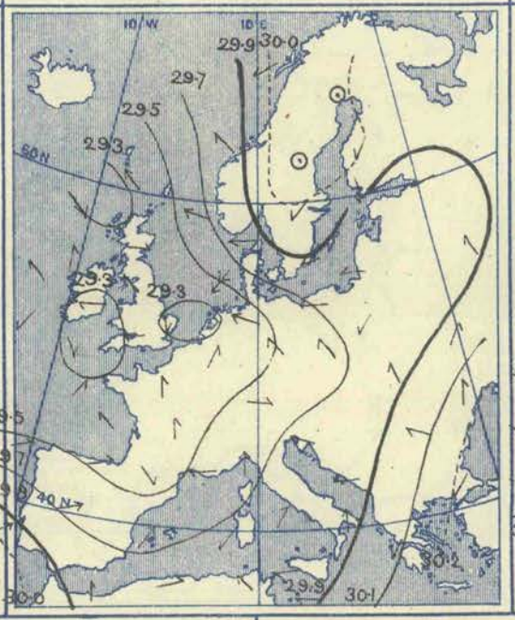
Barometer in morning ranging from above 30·2 ins. over the south-east of our area to below 29·4 ins. in a depression centred near Wisby, and to less than 29·3 ins. in a disturbance over the Bay of Biscay and in another system over the north of Scotland. Barometer continuing to fall steadily over our Islands during day and to rise in Scandinavia and Portugal. Swedish depression travelling north-eastwards and decreasing in depth.

Tuesday, 11th April, 1905.

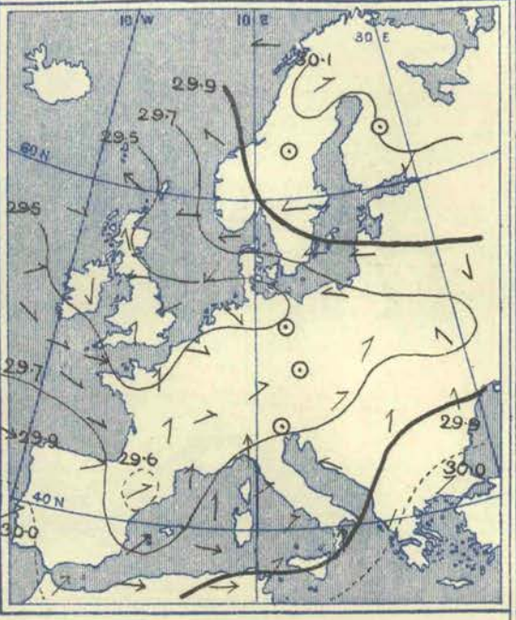
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Algeria, Sweden, and a few other localities, but cloudy or overcast generally, with rain over central England, several parts of France and in isolated parts of southern Europe, as well as at Swinemünde. Snow falling at Fanö and Helsingfors. Thunderstorms experienced later in various French districts and rain falling on the shores of the Adriatic, over Germany, Denmark, and in the south and east of England.

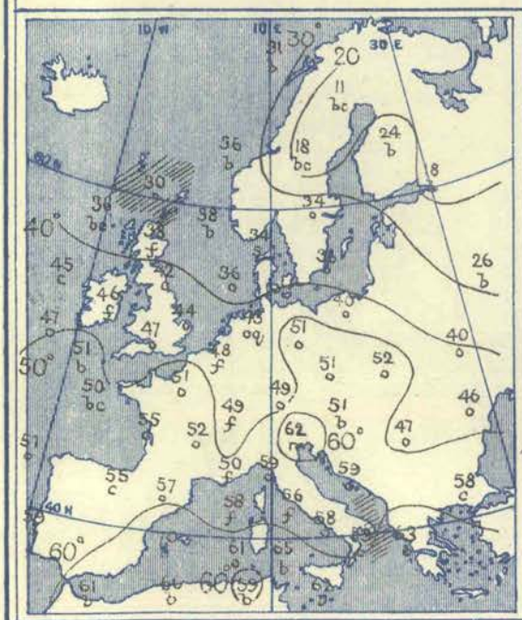
Temperature risen in most places. Morning readings ranging from 69° at Sfax, 66° at Algiers and Palma, and 65° at Patras to below 40° in Scotland, Denmark, and North Germany, to 30° at St. Petersburg, 19° at Hernösand, and to 15° at Haparanda. Rising later to 58° at Plymouth, 56° in London, 68° at Cracow and Lemberg, to 70° or above in Greece, Italy, Algeria, and Spain, and to 82° at Sfax. Maximum only 54° at Nice. Frost again at night in Scotland.

Wind in morning showing several partial or complete cyclonic circulations. Nothing beyond a moderate breeze prevailing over our area generally, but a slight gale from the Eastward blowing over Denmark. Increasing considerably in force from the Westward or South-Westward over the Mediterranean later and to a moderate gale from East-South-East at Sumburgh Head.

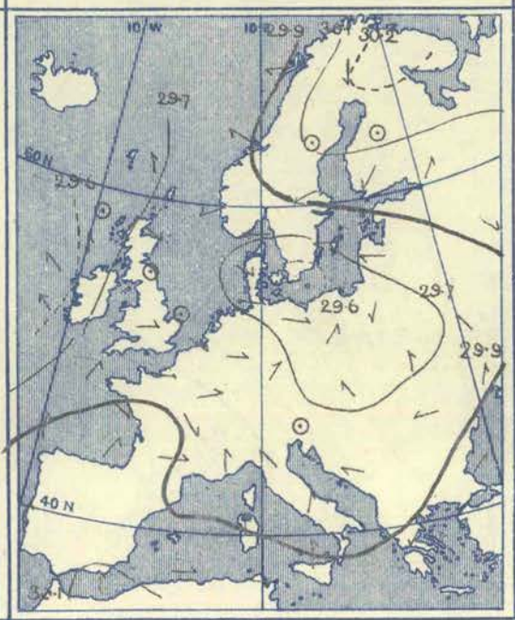
Barometer at 8 a.m. highest, 30·2 ins. over the Black Sea, and above 30·0 ins. in the south of Portugal and over the northern part of Scandinavia. Lowest, 29·4 ins. in a large area containing three separate minima of 29·3 ins. and less, and covering the United Kingdom and its vicinity. Latter system partially dispersing by evening, but a new depression appearing near Barcelona in consequence of local differences in the rate of the baric rise.

Wednesday, 12th April, 1905.

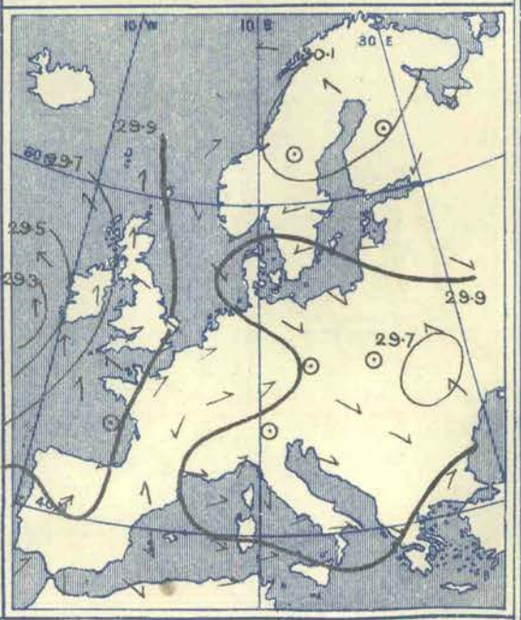
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Algeria and many parts of northern Europe; cloudy or overcast as a whole, with much fog along the east coast of Great Britain, at Holyhead, Cape Gris Nez, and Brussels, rain at Warsaw, and snow at Skagen and Karlstad. Rain falling later in the north and west of our Islands, in various parts of the Iberian Peninsula, Italy, and central Europe, and heavy snow in the south of Sweden.

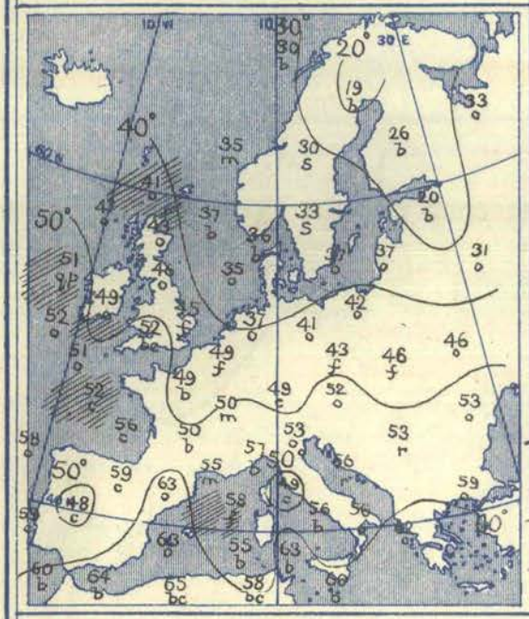
Temperature risen over the central countries, changed little and irregularly elsewhere. Morning readings highest, 70° at Palma, 66° at Algiers, and about 60° at most other southern stations. Lowest, 11° at Haparanda, 18° at St. Petersburg, 26° at Moscow, 33° at Nairn, and 37° at Copenhagen. Maxima during day, 77° at Oporto, 75° at Constantinople, 74° at Palermo, and 70° or above at many other stations in the south. Below 50° on some parts of our east and north-east coasts, but 60° in London, 61° at Manchester, and 62° at Bettws-y-Coed.

Wind in morning anticyclonic in the north-east and south-west of our area and cyclonic over the intervening regions. Very light in force generally, but Easterly current strong over the south of Scandinavia, and a fresh South-Easterly breeze prevailing in the south-west of Ireland. Increasing to a fresh or strong Southerly to South-Easterly wind or to a slight gale later on all our west and north-west coasts.

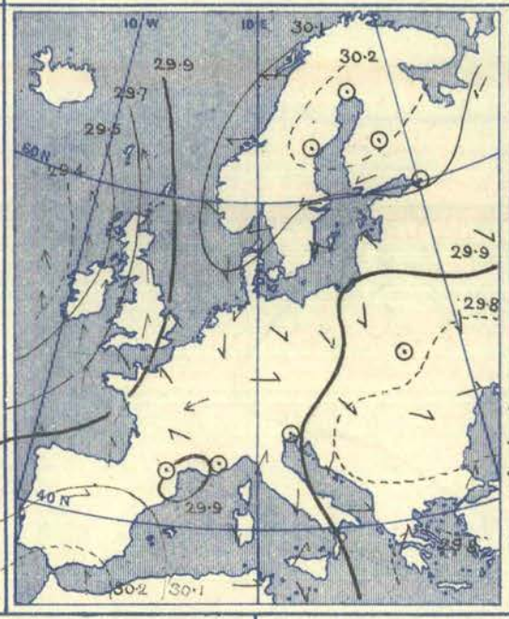
Barometer at 8 a.m. ranging from above 30·1 ins. in most parts of northern Europe and above 30·0 ins. in the south of our area to below 29·6 ins. in a depression centred near Copenhagen and in another system off the west of Ireland. Latter system extending eastwards over our Islands during day and barometer falling briskly in the west. Danish depression partially dispersing, but a shallow disturbance forming over the south-west of Russia.

Thursday, 13th April, 1905.

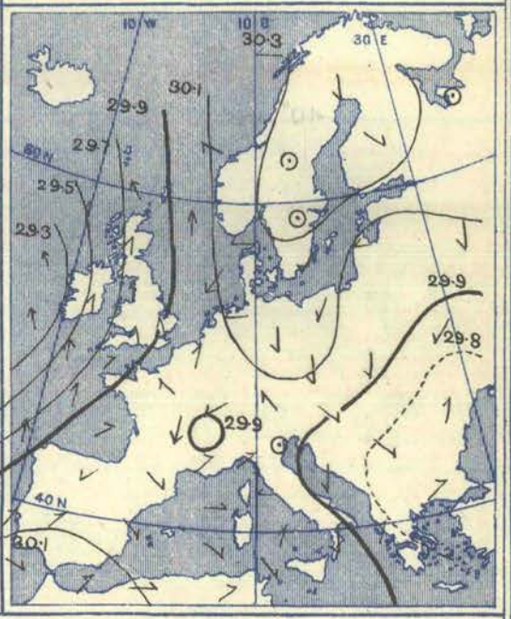
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast in most regions, but fine at some of the extreme northern and southern stations. Foggy on the coast of Norfolk and over Belgium and rainy in the east of Scotland, at Lesina and Hermanstadt. Snow falling at Hernösand and Stockholm. Rain experienced later in various parts of our Islands, France, and Italy, and also at Rome, Oporto, and Kharkov.

Temperature fallen in most parts of central and southern Europe, risen generally elsewhere—quickly in Scotland and the south of Russia. Readings in morning ranging from 65° at Algiers and 63° at Barcelona, Palma, and Palermo to below 40° over Scandinavia, Denmark, and most of Russia, and to below 30° in places. Lowest values, 20° at St. Petersburg and 19° at Haparanda. Rising during day to 63° in London, 66° at Frankfurt, 69° at Paris, to above 70° at many stations in the south of Europe, and to 81° at Sfax.

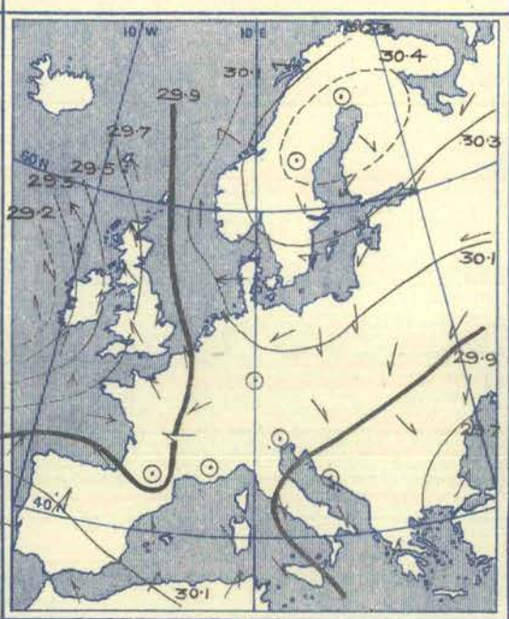
Wind in morning moderate to fresh or strong from South or South-East over our Islands. Light in force elsewhere and rather variable in direction—mainly cyclonic except in the north. No important change taking place later in day.

Barometer at 8 a.m. ranging from above 30·2 ins. in an anticyclone over the Gulf of Bothnia and its vicinity and in another system extending to the south of Spain from the southward to below 29·9 ins. over the Gulf of Lions, less than 29·8 ins. over the Black Sea and the adjacent territory, and to below 29·4 ins. off our own west coasts. Anticyclone continuing to increase in size and intensity during day and the Atlantic depression encroaching still further over our Islands.

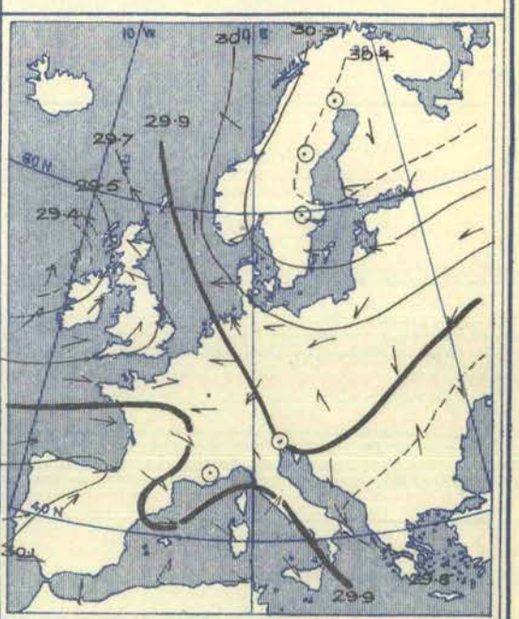
Friday, 14th April, 1905.

Temperature and Weather. 8 a.m.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Algeria and various parts of southern Europe and Scandinavia; cloudy or overcast in most other regions, with rain in several British localities, at Bilbao, Rochefort, Pesaro, Hermanstadt, and Christiansund. Heavy rain later over the east of France, at Turin, Brussels, and Oporto, as well as at Aberdeen and Valencia Island—smaller amounts over our Islands generally. Thunderstorms experienced in several parts of France.

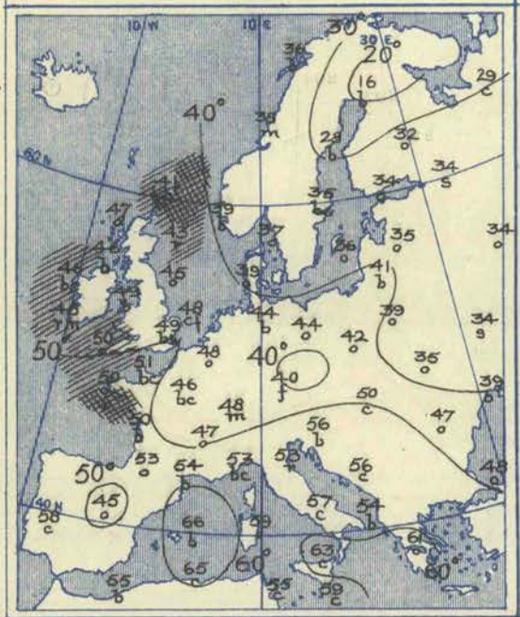
Temperature showing no decided change. Morning values highest, 69° at Barcelona, 66° at Algiers and Palma, 61° at San Fernando, and 60° at Malta. Lowest, 15° at Haparanda, 24° at Hernösand, below 40° over Russia, Denmark, and North Germany. Rising later to 64° at Margate, to below 70° over southern Europe generally, and to 82° at Sfax. Maxima below 50° at Spurn Head and on the north-east of Scotland.

Wind at 8 a.m. Southerly or South-Easterly over our Islands and their neighbourhood, moderate in the east, fresh to very strong in the west. Westerly, moderate, over the Bay of Biscay and the Spanish Peninsula. An extensive anticyclonic circulation prevailing over northern Europe. Wind veering to South-West and West over the south-west and south of the United Kingdom by evening and increasing in force from South-East in Scotland.

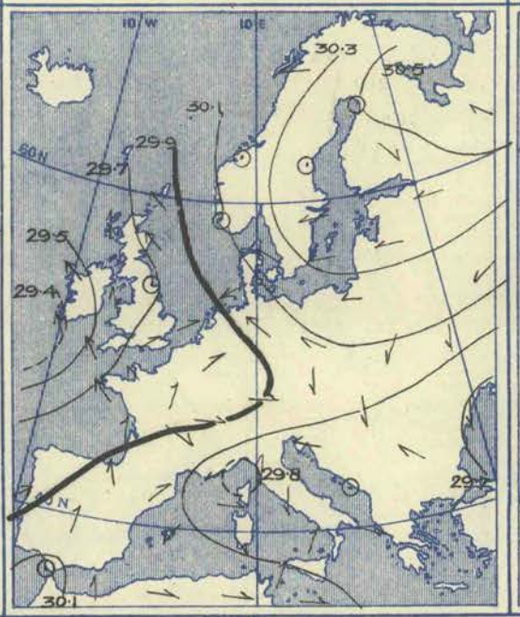
Barometer at 8 a.m. ranging from above 30·4 ins. in a high pressure system over Finland and the north of Sweden to below 29·7 ins. over the Black Sea, and to less than 29·2 ins. in a depression centred off the west of Ireland. Latter system travelling northwards later and a small secondary depression passing eastwards over the south of England. Pressure increasing decidedly over the Bay of Biscay, Ireland, and the south-west of England.

Saturday, 15th April, 1905.

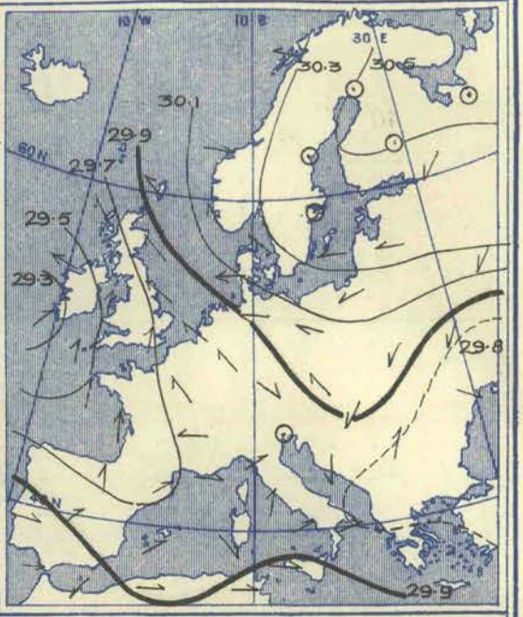
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Algeria and in a few other regions; cloudy or overcast as a whole, with fog on the east coast of England and at the Helder, rain at Valencia Island and in the north-east of Scotland, as well as at Oporto, Turin, and Florence, and snow at Kiev and St. Petersburg. Rain falling later in several parts of our Islands, Italy, and the south of France, and heavy amounts in Brittany and at Biarritz.

Temperature fallen in most localities. Morning values highest, 66° at Palma, 63° at Barcelona and Palermo, 61° at Patras. Lowest, 16° at Haparanda, 28° at Hernösand, and 29° at Archangel, 34° at St. Petersburg and Kiev, 38° at Prague, 41° at Sumburgh Head. Rising during day to 81° at Sfax and Nemours, above 70° at several other Mediterranean stations, to 61° at Brussels, and to 59° in London and at Paris. Maxima only 50° on the east coast of England.

Wind at 8 a.m. showing a complete cyclonic circulation over the south of Europe and a partial one over the United Kingdom. Anticyclonic all over northern Europe. Not much force generally, but Easterly breeze strong in Denmark and that from South-East equally strong on our most western and south-western coasts. Increasing to a fresh gale at the Scilly Isles and the south of Ireland during morning and some increase in force taking place later over this country generally.

Barometer in morning ranging from 30·3 ins. and upwards in a large anticyclone embracing the north of Russia, Finland, and Sweden and above 30·1 ins. in the south of Spain to below 29·8 ins. in a depression over the Gulf of Genoa, to less than 29·7 ins. in another system over the Black Sea, and to 29·4 ins. and less in a disturbance off our own south-west coasts. Northern anticyclone increasing in intensity during day and depression in south-west spreading eastwards over our Islands.

IV.—GENERAL NOTES.

As the week commenced pressure was highest (30·1 ins. and upwards) in an anticyclone centred over Austria, and lowest in depressions in the extreme north of Norway, over, and to the south-westward of, our Islands, and in a very shallow system lying over Corsica. The anticyclone subsequently moved away to the Black Sea and increased somewhat in intensity while the various depressions travelled south-eastwards or eastwards either over our Islands or the northern countries of the Continent and underwent considerable modification both in form and depth. By Tuesday evening a large and irregularly shaped low pressure area covered the British Isles and extended to North Germany while the barometer had become highest in the extreme north-east and south-west of our area. This "low" travelled on across central Europe while the two "highs" maintained their positions and increased slowly in energy.

During Thursday, however, a large and rather deep depression approaching our Islands from the south-westward caused the barometer to fall over all the most western regions, and the northern anticyclone, increasing still further both in size and intensity, soon became the dominant system over our area, the Atlantic disturbance spreading slowly eastwards over the Peninsula, the Bay of Biscay, and the United Kingdom. The wind, which at first varied a good deal in direction, consequently bec[illegible] Southerly or South-Easterly in nearly all the western regions. Its force was never violen[illegible]ny part of our area, but strong breezes or slight gales were experienced at times on so[illegible] of our own coasts. Temperature was not very different from the normal as a whole, but above rather than below it except in Sweden and its vicinity. Rain fell in almost all localities sometime during the week, but the quantity was generally small.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 86.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	20·3	-13·5	21	- 14
STRATHPEFFER SPA	23·0	- 9·2	24	- 10
CRATHES	12·6	—	13	—
BALRUDDERY	11·6	—	12	—
EDINBURGH	12·9	-15·1	13	- 16
COCKLE PARK	5·2	—	5	—
NEWCASTLE-on-TYNE	5·2	—	5	—
SALTBURN-by-the-SEA	14·6	—	15	—
YORK	18·7	-11·7	20	- 12
SKEGNESS	22·5	—	24	—
CROMER	19·7	—	21	—
LOWESTOFT	15·1	—	16	—
DUNMOW	14·7	—	16	—
SHEFFIELD	25·0	—	26	—
WORKSOP	19·8	- 9·4	21	- 10
MARGATE	22·9	- 12·4	24	- 13
BROADSTAIRS	28·7	—	31	—
RAMSGATE	28·8	—	31	—
EASTBOURNE	27·3	- 12·1	29	- 13
BRIGHTON	26·6	- 12·6	28	- 13
WORTHING	20·9	—	22	—
BOGNOR	21·8	—	23	—
VENTNOR HOSPITAL	24·5	- 17·7	26	- 19
BOURNEMOUTH	24·3	—	26	—
MARLBOROUGH	17·2	- 14·9	18	- 16
SOUTHPORT	27·8	—	29	—
RHYL	29·0	—	31	—
ABERDOVEY	25·6	—	27	—
TENBY	16·6	- 25·7	18	- 27
TORQUAY	21·2	- 19·3	23	- 21
NEWQUAY	18·4	- 21·4	20	- 23
GUERNSEY	26·3	- 18·1	28	- 19

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 10, page 56	Tunbridge Wells	—	—	—	—	—	—	—	—	—	2·20	—	—	—	—	—
" " "	Llangammarch Wells	—	—	—	—	—	—	—	—	—	2·98	—	—	—	—	—
No. 11, page 62	Shrewsbury	—	—	—	—	—	—	—	—	—	0·91	—	—	—	—	—
" " "	Stonyhurst	—	—	—	—	—	—	—	—	—	—	—	32·9	+11·1	43	+ 14
No. 14, page 80	Nottingham	—	—	—	—	—	—	—	—	—	0·61	+0·25	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 16. SIXTEENTH WEEK, ENDING SATURDAY, APRIL 22ND, 1905. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 92.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	52	29	46·6	36·7	41·4	2 below	13	−14	20	+ 4	153	−31	433	− 76
	1. SCOTLAND, EAST	58	25	46·3	35·4	40·6	3 below	12	−22	24	+ 8	214	−27	475	− 87
	2. ENGLAND, N.E.	53	32	45·9	36·8	41·1	4 below	11	−21	19	+ 8	276	+28	360	−112
	3. ENGLAND, EAST	60	33	48·2	38·6	43·2	3 below	23	−20	10	− 2	310	+ 1	339	−177
	4. MIDLAND COUNTIES	61	28	48·3	36·4	42·0	4 below	18	−27	16	+ 2	349	+12	369	−151
	5. ENGLAND, SOUTH	62	32	49·3	38·6	43·7	4 below	26	−21	10	+ 3	349	−12	264	−127
Principal Grazing Districts.	6. SCOTLAND, WEST	57	25	48·1	35·1	41·3	4 below	17	−20	26	+15	269	+10	305	− 97
	7. ENGLAND, N.W.	59	29	47·9	36·7	42·0	4 below	17	−21	15	+ 6	311	+36	273	−113
	8. ENGLAND, S.W.	60	30	50·0	38·8	44·1	3 below	28	−16	9	+ 4	372	− 7	209	− 89
	9. IRELAND, NORTH	58	32	49·4	39·0	44·0	2 below	27	−13	8	0	331	− 2	264	− 70
	10. IRELAND SOUTH	61	32	50·4	40·1	45·1	3 below	30	−17	5	0	452	+16	166	− 84
	— CHANNEL ISLANDS	54	40	50·5	43·0	46·6	3 below	32	−18	0	− 1	555	+76	55	− 65

Rainfall.

	DISTRICTS. (See p. 92.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	4	2 less	94	+22	19·5	+ 5·4
	1. SCOTLAND, EAST	5	4	1 less	70	+10	7·7	− 0·9
	2. ENGLAND, N.E.	6	5	2 more	53	− 3	4·2	− 2·2
	3. ENGLAND, EAST	5	3	1 less	61	+ 4	5·3	− 0·8
	4. MIDLAND COUNTIES	4	3	2 less	60	+ 6	6·0	− 1·2
	5. ENGLAND, SOUTH	3	1	3 less	60	+ 6	7·5	− 0·4
Principal Grazing Districts.	6. SCOTLAND, WEST	3	2	4 less	76	+13	14·9	− 0·3
	7. ENGLAND, N.W.	3	1	3 less	69	+11	8·7	− 0·4
	8. ENGLAND, S.W.	2	2	4 less	64	+ 3	10·5	− 0·7
	9. IRELAND, NORTH	2	1	4 less	82	+11	11·2	+ 1·1
	10. IRELAND, SOUTH	4	2	4 less	79	+14	11·9	− 0·5
	— CHANNEL ISLANDS	4	2	3 less	73	+ 7	9·6	− 0·1

Bright Sunshine.

	DISTRICTS. (See p. 92.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	35	+ 2	35	+ 2	253	− 28	22	− 2
	1. SCOTLAND, EAST	26	−10	26	−10	313	− 26	27	− 2
	2. ENGLAND, N.E.	16	−16	16	−16	348	− 13	30	− 1
	3. ENGLAND, EAST	24	−15	25	−15	390	+ 16	33	+ 1
	4. MIDLAND COUNTIES	18	−14	18	−15	319	− 1	27	0
	5. ENGLAND, SOUTH	22	−18	22	−18	359	− 8	30	− 1
Principal Grazing Districts.	6. SCOTLAND, WEST	28	− 5	28	− 5	344	+ 23	29	+ 2
	7. ENGLAND, N.W.	27	− 5	28	− 5	339	+ 46	29	+ 4
	8. ENGLAND, S.W.	20	−20	21	−21	337	− 39	28	− 3
	9. IRELAND, NORTH	37	+ 3	38	+ 3	351	+ 32	30	+ 3
	10. IRELAND, SOUTH	31	− 8	31	− 8	338	− 28	29	− 2
	— CHANNEL ISLANDS	29	−17	30	−17	374	− 66	31	− 6

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was cold and cloudy over the Kingdom as a whole. Slight showers were very prevalent—mostly of snow, sleet and hail during the earlier days of the week, and subsequently of rain. Thunderstorms occurred at some stations in Wales, at Hereford, and in London on Sunday, and thunder only in some southern localities.

Temperature was everywhere below the mean, the deficit ranging from 2° in Scotland N. and Ireland N. to 4° in Scotland W. and most parts of England. The highest of the maxima were registered, as a rule, on the 16th, and ranged from 62° in England S. and 61° in the Midland Counties and Ireland S. to 52° in Scotland N. Later in the week most of the daily maxima were below 50°. The lowest of the minima, which were experienced about the middle of the week, varied from 25° in Scotland E. and W. to 33° in England E. and to 40° in the Channel Islands.

Rainfall was less than the mean generally, but rather in excess in England N.E. In England S. and N.W. and in Ireland N. the fall was especially slight.

Bright Sunshine was deficient except in Scotland N. and Ireland N.; in nearly all the English districts the difference from the normal was large. The percentage of the possible duration ranged from 38 in Ireland N. and 35 in Scotland N. to 21 in England S.W., to 18 in the Midland Counties and to 16 in England N.E.

Barometer and Wind. At the beginning of the week a depression lay on the Atlantic off our south-west coasts, while an anticyclone covered most of northern Europe. The anticyclone subsequently moved westwards to the Atlantic, while the depression dispersed. Towards the end of the week pressure had become highest off our western coasts, and the wind, which had at first blown freshly or strongly from the Eastward or North-Eastward, subsequently backed to the Northward or North-Westward and gradually decreased in strength. The cold showers which occurred over our northern and eastern counties were caused either by very small secondary disturbances moving southwards from the north of Scotland or by larger depressions spreading north-westward from the Continent.

Earthquake. At about 1.35 a.m. on the 23rd earthquake shocks were felt by our observers in Lincolnshire and Nottinghamshire, and were reported in the newspapers as occurring at many places in the northern half of England.

3580 Wy. & S. Ltd.
370 4 | 05

II.—DATA from which the SUMMARY on page 91 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
April 16-22, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head	47	33	44·1	36·0	39·9	− 2·1	6	21	4	0·10	− 0·36	*	*	*	*
	Stornoway	52	35	48·9	38·6	43·5	0·0	25	10	3	0·33	− 0·24	53·9	+ 16·2	53	+ 16
	Wick	48	36	45·3	37·9	41·4	− 2·1	9	15	5	0·37	− 0·01	*	*	*	*
	Lairg Ⓢ	52	29	46·8	34·5	40·4	− 2·0	13	28	7	0·52	− 0·03	*	*	*	*
	Glencarron Ⓢ	52	32	46·9	35·6	41·0	− 2·3	14	24	3	1·11	+ 0·08	*	*	*	*
	Fort Augustus Ⓢ	52	33	47·6	37·4	42·3	− 2·7	21	13	3	0·11	− 0·36	24·3	− 3·3	24	− 3
1. SCOTLAND, E.	Nairn	50	25	47·0	34·7	40·6	− 3·8	14	27	6	0·37	+ 0·11	*	*	*	*
	Aberdeen	50	35	46·6	38·0	42·1	− 2·3	18	11	6	0·14	− 0·33	26·9	− 10·0	27	− 10
	Braemar Ⓢ	45	30	41·6	33·5	37·4	− 3·9	0	32	6	0·56	+ 0·07	*	*	*	*
	Clathick Ⓢ	54	29	48·5	34·4	41·1	− 4·1	18	29	3	0·15	− 0·37	*	*	*	*
	Leith	58	34	48·9	37·4	42·9	− 2·5	26	13	4	0·23	− 0·11	*	*	*	*
	Marchmont Ⓢ	54	31	45·4	34·4	39·6	− 3·9	10	27	6	0·70	+ 0·17	18·8	− 15·2	19	− 15
2. ENGLAND, N.E	Alnwick Castle	45	34	44·5	35·9	40·0	− 3·4	7	22	6	0·36	− 0·11	*	*	*	*
	Durham	53	32	44·5	34·4	39·2	− 5·1	7	27	6	0·87	+ 0·43	9·7	− 20·8	10	− 21
	Shields	52	34	45·1	36·4	40·5	− 3·7	9	20	7	0·64	+ 0·27	*	*	*	*
	Scarborough Ⓜ	52	35	46·3	37·5	41·7	− 3·3	12	17	7	0·60	+ 0·20	15·0	—	15	—
	Spurn Head	49	36	46·0	39·0	42·3	− 2·9	15	8	6	0·47	+ 0·17	*	*	*	*
	Lincoln	52	34	47·7	36·9	42·0	− 4·4	16	14	5	0·35	− 0·02	*	*	*	*
	Fulbeck	51	35	47·0	37·4	42·0	− 3·8	14	13	6	0·49	+ 0·11	19·0	—	19	—
3. ENGLAND, E.	Hillington Ⓜ	53	34	47·4	37·7	42·3	− 4·0	20	12	6	0·36	− 0·04	25·2	− 12·0	26	− 12
	Yarmouth	49	38	45·6	40·3	42·8	− 2·4	13	5	5	0·12	− 0·25	*	*	*	*
	Geldeston	51	37	47·5	38·7	42·9	− 3·2	20	9	7	0·33	− 0·02	23·4	− 15·6	24	− 16
	Cambridge	58	34	49·6	37·3	43·2	− 4·1	28	13	3	0·06	− 0·29	25·8	− 12·1	26	− 12
	Felixstowe	50	36	49·0	38·7	43·6	− 3·2	25	9	5	0·54	—	37·6	—	38	—
	Clacton-on-Sea	52	36	48·0	40·3	44·0	− 2·8	21	5	3	0·63	—	35·3	—	36	—
	Rothamsted	60	33	49·1	37·1	42·8	− 3·3	26	14	5	0·18	− 0·25	17·4	− 18·3	18	− 19
	Shoeburyness	53	36	49·7	39·0	44·1	− 3·4	27	8	4	0·27	− 0·02	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	51	33	44·6	35·4	39·8	− 4·7	7	24	4	0·36	− 0·14	15·9	—	16	—
	Bawtry (Hesley Hall)	52	33	48·4	36·4	42·1	− 4·3	24	16	6	0·31	− 0·07	*	*	*	*
	Nottingham	51	34	47·3	37·6	42·2	− 4·5	20	12	6	0·35	− 0·05	20·7	—	21	—
	Colly Weston (Stamford)	53	33	49·6	36·7	42·8	− 4·1	28	15	4	0·40	+ 0·02	*	*	*	*
	Cheadle Ⓜ	50	32	45·9	35·2	40·3	− 4·9	11	25	5	0·15	− 0·32	*	*	*	*
	Birmingham (Edgbaston)	55	34	47·2	36·3	41·5	− 4·3	15	22	3	0·13	− 0·31	8·4	—	9	—
	Shrewsbury	56	29	49·8	35·7	42·4	− 4·3	29	18	2	0·09	—	*	*	*	*
	Hereford Ⓜ	58	31	49·5	36·8	42·9	− 4·1	28	15	3	0·53	+ 0·14	*	*	*	*
	Cirencester	59	28	49·6	35·9	42·4	− 3·3	28	17	3	0·17	− 0·27	21·1	− 16·4	22	− 17
	Oxford	61	35	50·6	38·0	44·0	− 3·2	31	11	4	0·08	− 0·29	23·0	− 13·3	24	− 14
5. ENGLAND, S.	Westminster	60	37	49·7	40·4	44·8	− 4·2	26	4	5	0·23	—	16·0	− 12·3	16	− 13
	London (Brixton)	62	36	50·4	39·1	44·5	− 3·9	30	8	5	0·21	− 0·17	15·9‡	− 15·1‡	16‡	− 15‡
	Wisley (Surrey)	61	34	49·6	38·2	43·6	− 5·2	27	11	3	0·03	—	18·6	—	19	—
	Swarraton (Alresford) Ⓜ	59	33	49·4	37·6	43·2	− 2·8	27	12	0	0·00	− 0·44	*	*	*	*
	Tunbridge Wells Ⓜ	62	34	48·6	37·2	42·6	− 4·7	24	13	3	0·35	—	24·4	—	25	—
	Dungeness	55	37	49·0	41·0	44·8	− 1·9	24	3	4	0·39	+ 0·07	31·7	—	33	—
	Hastings (St. Leonards)	57	36	49·0	39·4	44·0	− 3·2	25	7	4	0·16	− 0·26	29·0	− 13·0	30	− 13
	Southampton	58	35	51·5	39·3	45·1	− 3·4	33	8	1	0·01	− 0·43	16·1	− 24·3	17	− 25
	Portland Bill	52	35	49·0	39·3	43·9	− 4·6	25	8	3	0·04	—	*	*	*	*
	Shaftesbury Ⓜ	54	32	47·6	36·3	41·7	− 4·6	16	22	1	0·03	− 0·52	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	52	32	50·0	36·4	42·9	− 3·2	30	16	2	0·25	− 0·61	*	*	*	*
	Glasgow	51	33	47·7	35·8	41·5	− 3·7	16	24	2	0·12	− 0·36	29·2	− 1·5	29	− 2
	Cally Ⓢ	49	25	46·3	32·2	38·9	− 6·4	12	35	3	0·19	− 0·41	*	*	*	*
	Aspatria	54	28	47·4	33·6	40·2	− 4·9	15	31	3	0·16	—	19·6	—	20	—
	Douglas (Isle of Man)	57	30	49·0	37·7	43·1	− 2·7	26	12	4	0·16	− 0·38	35·0	− 8·1	35	− 8
7. ENGLAND, N.W.	Newton Rigg	52	29	46·2	34·2	39·9	− 4·1	12	28	3	0·09	—	17·8	—	18	—
	Stonyhurst	49	33	46·2	36·0	40·9	− 4·8	12	23	4	0·15	− 0·39	22·9	− 12·3	23	− 13
	Blackpool Ⓜ	53	31	48·5	35·4	41·6	− 4·8	18	25	1	0·02	− 0·38	33·6	− 2·5	34	− 3
	Manchester (Prestwich)	51	31	46·7	35·6	40·9	− 5·0	13	24	4	0·13	− 0·33	22·5	—	23	—
	Liverpool Obsy. (Bidston)	50	34	47·6	37·9	42·5	− 4·7	21	11	2	0·03	− 0·33	22·1	—	22	—
	Chester (Hawarden Bridge)	59	32	50·6	36·8	43·4	− 4·2	32	15	2	0·06	—	*	*	*	*
	Llandudno Ⓜ	54	35	48·2	39·1	43·4	− 4·0	22	8	3	0·08	− 0·33	36·0	− 0·9	36	− 1
	Holyhead	53	36	48·1	39·4	43·5	− 3·7	21	7	2	0·23	− 0·21	*	*	*	*
	Bettws-y-Coed	56	31	48·8	36·2	42·2	− 4·7	26	16	2	0·09	—	27·3	—	28	—
8. ENGLAND, S.W.	Llangammarch Wells	58	33	48·5	35·9	41·9	− 2·9	18	24	4	0·57	—	15·6	—	16	—
	Pembroke	52	34	49·7	39·1	44·2	− 2·4	23	8	2	0·19	− 0·25	23·3	− 19·7	24	− 20
	Cardiff	58	33	51·2	38·5	44·6	− 3·2	33	10	1	0·06	—	*	*	*	*
	Clifton	58	35	49·9	38·8	44·1	− 3·1	28	9	4	0·14	− 0·36	*	*	*	*
	Bath	60	30	50·9	37·9	44·1	− 3·8	32	11	2	0·17	− 0·30	20·4	—	21	—
	Arlington (N. Devon)	54	34	49·1	38·3	43·4	− 2·1	25	10	2	0·10	− 0·57	*	*	*	*
	Cullompton Ⓜ	54	35	50·5	39·6	44·8	− 3·5	30	7	2	0·06	− 0·48	16·3	− 21·0	17	− 22
	Falmouth	55	37	50·2	42·2	46·0	− 2·3	28	0	1	0·01	− 0·64	25·0	− 18·4	26	− 19
	Plymouth															
9. IRELAND, N.	Malin Head	51	36	47·4	38·4	42·7	− 3·6	20	10	1	0·14	− 0·30	*	*	*	*
	Edenfel (Omagh)	58	33	50·7	37·4	43·7	− 1·5	31	13	2	0·07	− 0·47	*	*	*	*
	Blacksod Point	54	40	49·3	42·0	45·5	− 2·0	25	0	4	0·17	− 0·49	*	*	*	*
	Markree Castle	58	32	51·1	39·8	45·2	− 1·0	32	6	2	0·08	− 0·47	35·1	+ 0·1	36	0
	Armagh	56	32	50·3	37·2	43·4	− 2·4	30	13	2	0·08	− 0·41	39·1	+ 5·2	40	+ 5
	Donaghadee	50	35	47·6	39·4	43·3	− 2·9	20	7	1	0·07	− 0·38	*	*	*	*
10. IRELAND, S.	Dublin	55	36	50·6	40·9	45·5	− 2·3	29	3	5	0·43	− 0·02	34·7	− 4·5	35	− 5
	Birr Castle	54	32	49·9	37·9	43·6	− 3·5	28	11	2	0·15	− 0·35	26·8	− 9·5	27	− 10
	Kilkenny	53	35	49·3	39·9	44·4	− 3·0	26	6	2	0·08	− 0·44	*	*	*	*
	Waterford	53	35	50·1	39·9	44·8	− 2·0	28	6	3	0·28	− 0·30	*	*	*	*
	Roche's Point	54	36	50·3	41·3	45·6	− 2·9	28	2	3	0·12	− 0·59	*	*	*	*
	Valencia	58	37	51·1	41·1	45·9	− 2·9	31	3	5	0·18	− 0·67	30·5	− 8·8	31	− 9
	Killarney	61	32	51·8	39·9	45·6	− 2·3	34	6	5	0·32	− 0·45	*	*	*	*
	Foynes												*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	54	40	50·4	43·0	46·5	− 2·5	32	0	4	0·24	− 0·24	26·0	− 17·3	27	− 18
	Jersey (St. Aubyn's)	53	40	50·6	42·9	46·6	− 3·1	32	0	4	0·16	− 0·29	30·3	− 16·2	31	− 17

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

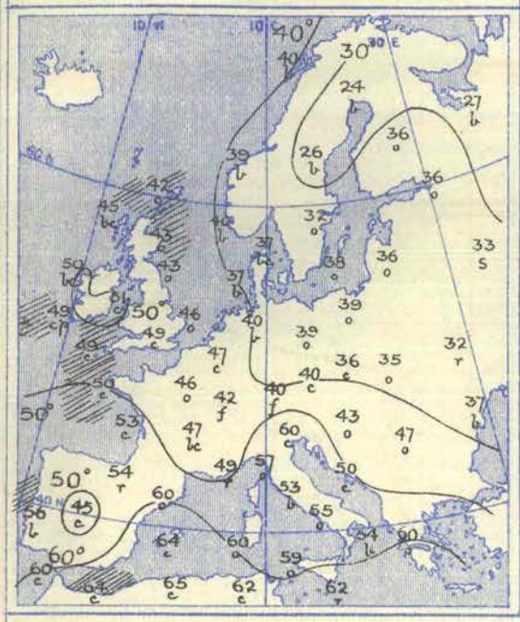
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

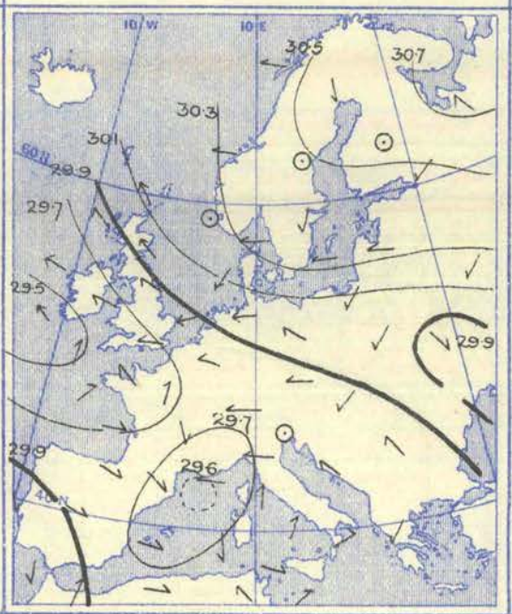
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake

Sunday, 16th April, 1905.

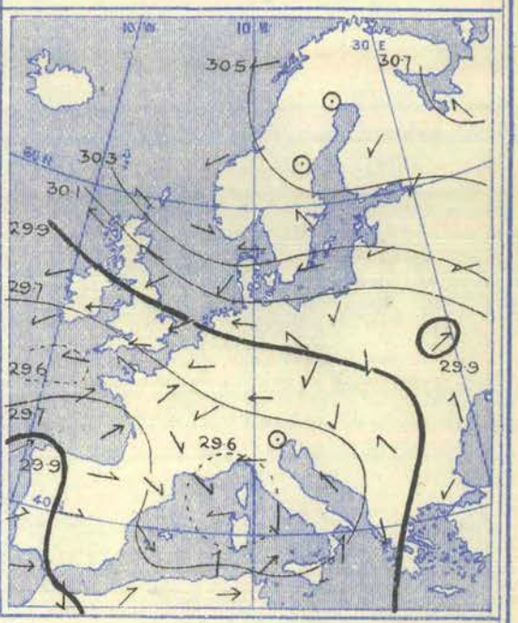
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. varying greatly; fine and bright in Scandinavia, Denmark and the Netherlands, but cloudy or overcast in almost all other places. Rainy over the southern parts of England and Ireland, the south-west and south-east of France, at Turin, and Kiev, and snow falling at Moscow. Rain experienced later at most of our own southern stations and in most of the southern regions of the Continent; thunderstorms occurring at Pembroke, Oxford, in London, and at Biarritz—heaviest rain, 0·5 in. at Naples and Biarritz, 0·7 in. at Cape Gris Nez, and 0·8 in. at Rome.

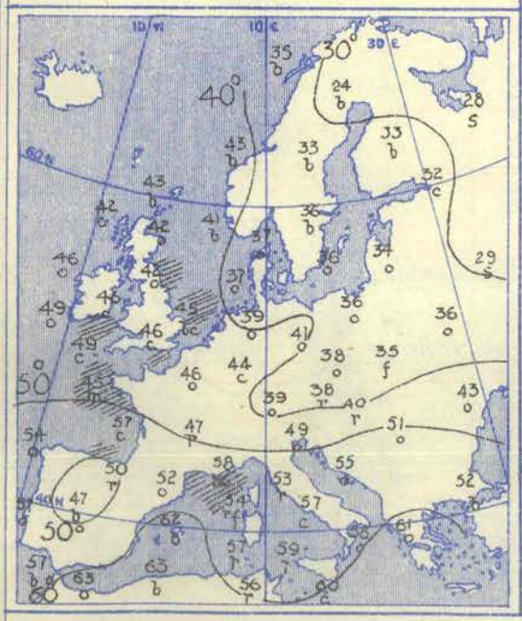
Temperature changed little, but fallen in most places. Morning values highest, 65° at Algiers, 64° at Palermo, and about 60° at several of the most southern stations. Lowest, 24° to 33° over Sweden, 27° at Archangel, 33° at Moscow, below 40° in the south of Russia and many parts of central Europe; below 50° generally. Rising subsequently to about 60° in the south of England, at most French, and at a few German stations, and touching or exceeding 70° at Palermo, Malta, and at Algeria. Highest reading 82° at Tunis.

Wind in morning South-Westerly or Westerly over the Bay of Biscay and the west of France and Easterly or South-Easterly over the United Kingdom and the North Sea; fresh or strong in force over the latter regions. Other cyclonic circulations prevailing over the western part of the Mediterranean and southern Russia, but of little strength. Light and anticyclonic over all the northern portion of the Continent. No general change later, but force increasing over the Mediterranean.

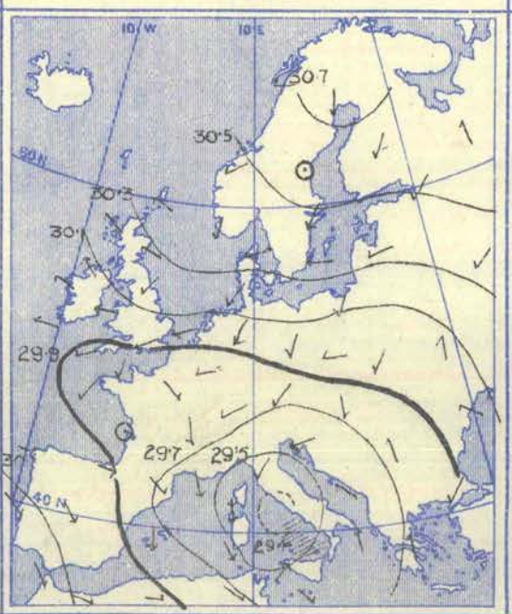
Barometer at 8 a.m. ranging from above 30·7 ins. over the White Sea to below 29·8 ins. in Little Russia and to less than 29·6 ins. in a depression centred off our south-west coasts and also in a system off the south-east of France. Latter disturbance increasing in size later, but that off our south-west coasts beginning to disperse. Northern anticyclone maintaining its position and barometer also rising on the extreme south-west of our area.

Monday, 17th April, 1905.

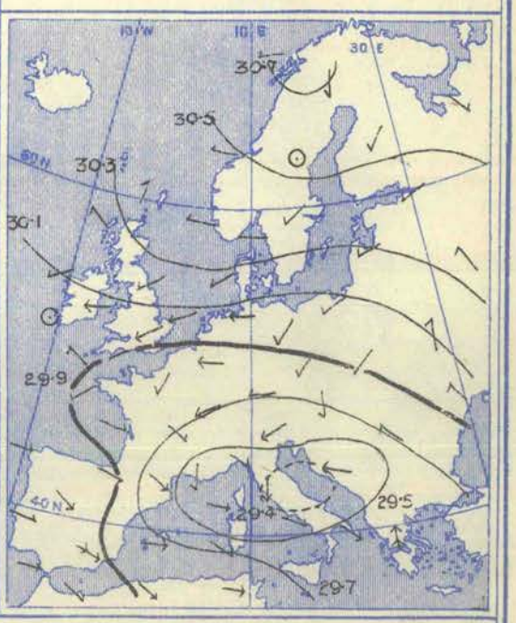
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Finland, Scandinavia, and at some stations in Spain and Algeria; cloudy or overcast elsewhere, with rain in several parts of southern and central Europe and snow at Moscow and St. Petersburg. Slight showers later over our own eastern and southern districts and heavy rain in the south of France and other southern regions—largest amounts, 1·6 in. at Naples and 2·0 ins. at Toulouse.

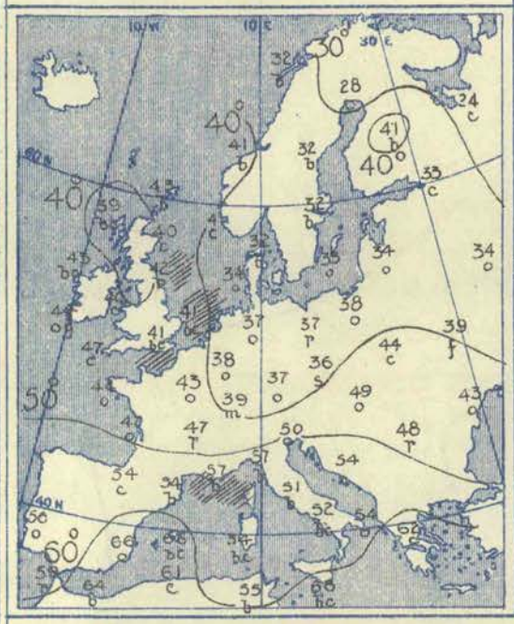
Temperature fallen generally; low for the time of year over our Islands and their neighbourhood. Morning readings highest, 63° at Algiers and Nemours and nearly 60° at many other southern stations. Lowest, 24° at Haparanda, 29° at Moscow, below 40° over all the northern parts of the Continent and not much above it over the greater part of our Islands. Maxima during day below 50° in most parts of England and Scotland, Germany, and the Netherlands, but between 60° and 70° over the Mediterranean region. Highest values, 72° at Barcelona and 82° at Sfax.

Wind in morning anticyclonic (East to North-East) over all the northern countries and strong or fresh in several localities. An extensive cyclonic circulation prevailing around Italy, the Northerly current being strong to a gale over Corsica and Sardinia. Little change later as a whole, but wind backing to West in Corsica and fresh or moderate Westerly gales setting in at Alicante and Tunis.

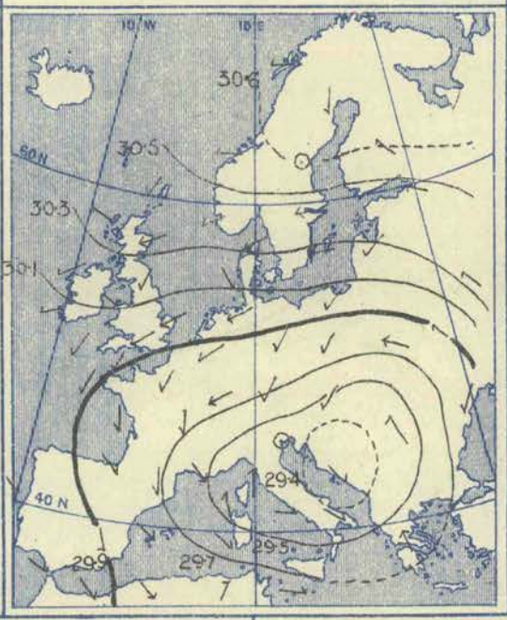
Barometer at 8 a.m. ranging from above 30·7 ins. in a large anticyclone centred over Lapland to below 29·4 ins. in a rather deep depression over Italy. Anticyclone moving slowly westwards during day and the depression travelling eastwards towards Bosnia. Gradients moderate or slight over all the northern regions; irregular but mostly rather steep or steep in the neighbourhood of the cyclonic disturbance.

Tuesday, 18th April, 1905.

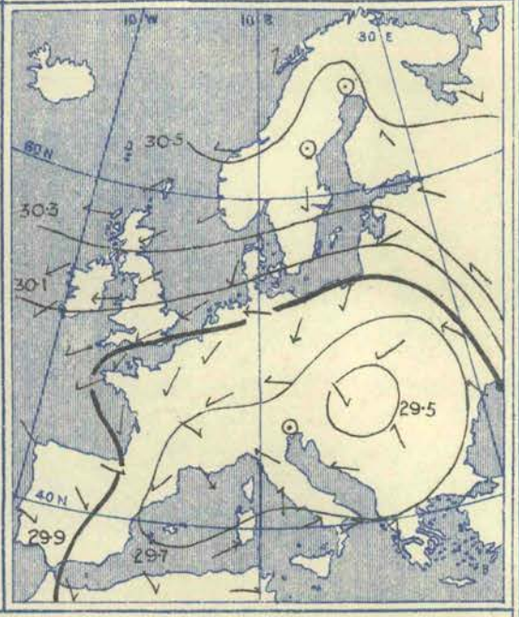
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Scandinavia, Finland, the extreme north of Scotland, and at most stations within the Mediterranean region; cloudy or overcast elsewhere. Showers falling in various parts of England, snow at Prague, and rain over central Europe generally. Showers of hail, sleet, or rain very general over the United Kingdom later and considerable rain falling in central Europe and the south of Italy—largest quantities, 0·4 in. at Clacton-on-Sea, 0·5 in. at Naples, 0·6 in. at Lemberg, and 0·9 in. at Vienna.

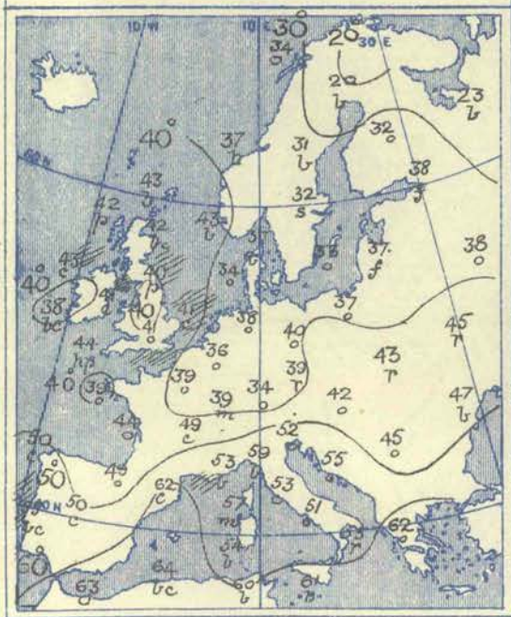
Temperature fallen except over Russia and Finland. Morning values ranging from 66° at Palma, 63° at Oran, and 62° at Athens to below 40° over the greater part of Continental Europe and at some stations in Great Britain, to 33° at St. Petersburg, 28° at Haparanda, and to 24° at Archangel. Thermometer remaining below 50° over our Islands and below 44° at some of our east coast stations, but touching or exceeding 60° in the southern regions generally, and 70° in Algeria and Tunis.

Wind at 8 a.m. continuing Easterly or North-Easterly over all the more northern countries and cyclonic over the Mediterranean and its vicinity. Moderate or light in force generally, but fresh over the south of Scandinavia, North Germany, Denmark, the Netherlands, and the United Kingdom. A separate cyclonic movement setting in later around Transylvania and its neighbourhood, and the North-Easterly wind increasing to a fresh gale on some of the Baltic shores.

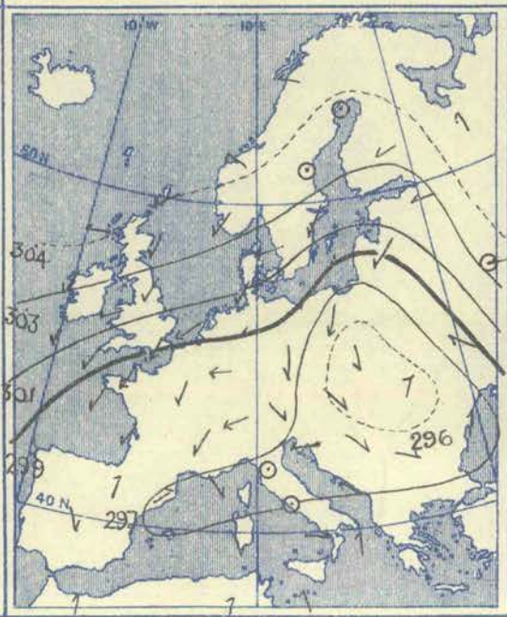
Barometer in morning highest, 30·6 ins. and upwards, in a large anticyclone having its core over the extreme north of Europe. Lowest, 29·4 ins. and less, in a depression centred over Bosnia and Servia. A secondary disturbance lying over the Gulf of Genoa. Bosnian depression travelling north-north-eastwards during day, and barometer falling somewhat over northern Europe. Not much change taking place in the general distribution of pressure, but gradients increasing over the northern countries.

Wednesday, 19th April, 1905.

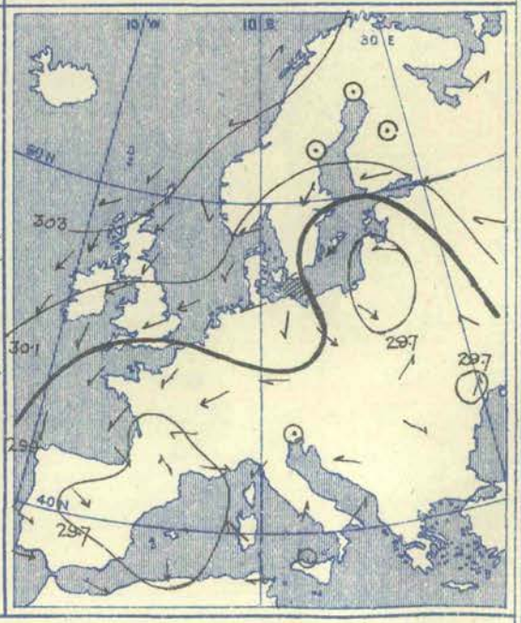
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine in several parts of Scotland, Scandinavia, and at many stations in the extreme south, but continuing cloudy or overcast generally, with snow over the south of Finland, rain over the central countries and at Brindisi, and showers of rain or sleet in various parts of our Islands. Very heavy rain experienced later in several French localities and a thunderstorm at Perpignan—heaviest falls, 1·6 in. at Ushant, La Coubre, and Marseilles. Nearly an inch at Madrid.

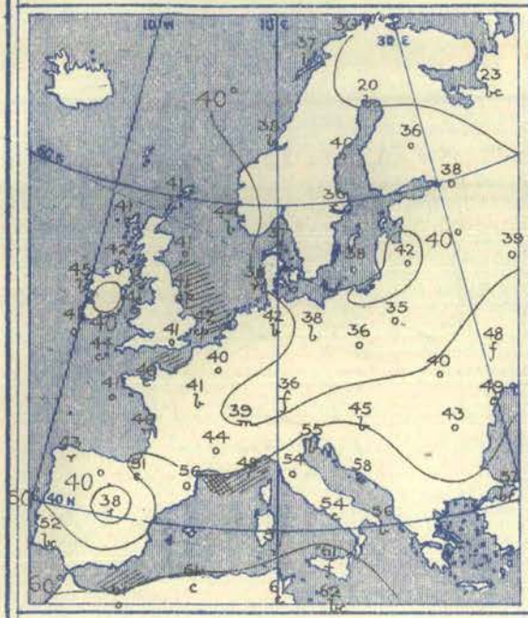
Temperature low generally, ranging at 8 a.m. from 64° at Algiers, 63° at Nemours, and 62° at Patras to about 40° or several degrees below in most other parts of our area, to 23° at Archangel, and to 20° at Haparanda. Not exceeding 40° during day at some stations in the north of England, but rising to 50° at Leith and Jersey, to about the same level in the north of France and parts of central Europe, above 60° in Italy, and to above 70° in Algeria. Highest values, 81° at Sfax and 77° at Algiers.

Wind in morning Easterly and North-Easterly over the northern half of Europe, Northerly over the Spanish Peninsula, and variable over the Mediterranean. A cyclonic circulation prevailing around Poland. North-Easterly current fresh or strong over the Baltic, Denmark, and the United Kingdom. Not much change later; a moderate gale from West setting in at San Fernando.

Barometer at 8 a.m. highest, 30·4 ins. and above, in the north of our area. Lowest, 29·6 ins. and less, in a depression centred near Lemberg. Relatively low over the Gulf of Lions, and Genoa and the north of Italy. Gradients steepest over Russia. Polish disturbance travelling northwards later and pressure giving way rather decidedly over all the northern regions of the Continent, and slightly in Scotland and Ireland. Depression over Mediterranean becoming more pronounced.

Thursday, 20th April, 1905.

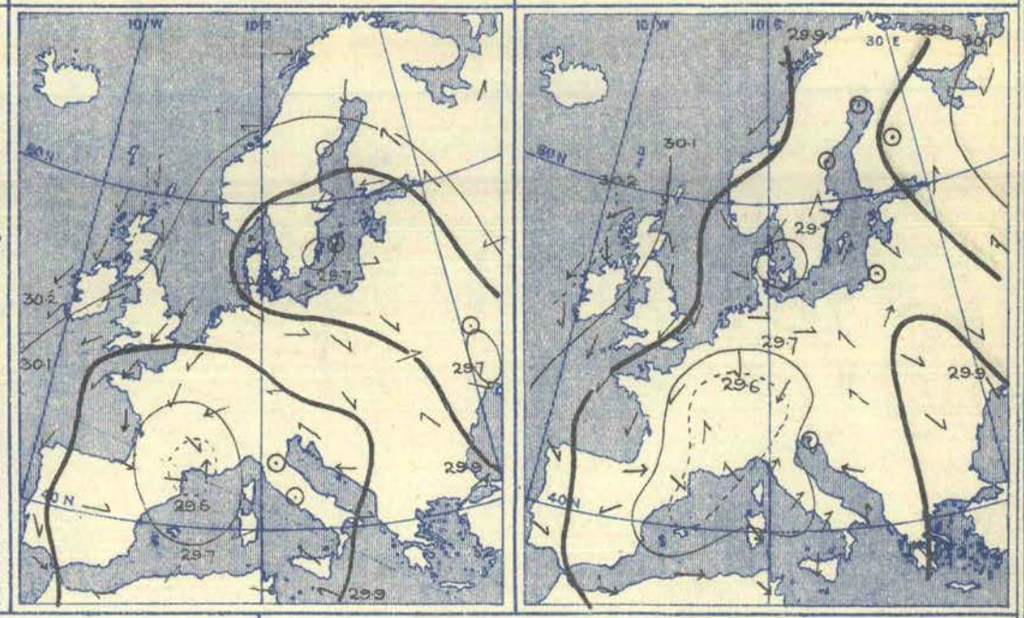
Temperature and Weather. 8 a.m.



Weather at 8 a.m. cloudy or overcast in almost all parts of our area, but fine and bright in Norway and North Germany, and fair at a few English and Irish stations and at Paris. Rainy in Denmark, the south of Sweden and Finland, the south-east of France, at Cagliari, Rochefort, and at some Spanish stations. Showery in various parts of the United Kingdom. Heavy or considerable amounts of rain falling later in France, Italy, and some other southern regions—largest quantities, 1·8 in at Nice and 1·4 in. at Turin.

Temperature risen in the north; changed irregularly elsewhere. Morning values highest, 62° at Malta, 61° at Palermo and Algiers, 58° at Lesina. Lowest, (1) 20° at Haparanda, 23° at Archangel, (2) 36° at Munich, (3) 38° at Madrid, 43° at Corunna, (4) 39° or 40° at several of our own stations. Maxima during day, 81° at Tunis, 72° at Nemours, between 63° and 70° in Italy, below 50° in almost all the northern regions, but touching 52° at St. Petersburg.

Barometer and Wind. 8 a.m. 6 p.m.

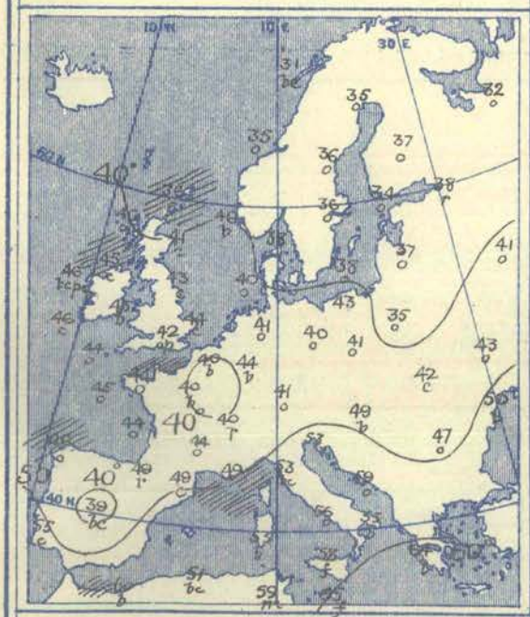


Wind in morning showing three separate cyclonic circulations, moderate in force generally, but Northerly current blowing a gale over the Skager Rack and a fresh North-East breeze prevailing on some of the English coasts. A considerable increase in force subsequently taking place over the Mediterranean, Italy, and the Adriatic, but gale in the Skager Rack subsiding. Wind becoming more Northerly in our Islands.

Barometer at 8 a.m. ranging from 30·2 ins. and upwards off our extreme north-west coasts, and above 30·1 ins. over the north of Russia to below 29·7 ins. in a disturbance centred over Oland and in another system over Little Russia, and to below 29·6 ins. in a third depression over the south of France. Northern minimum travelling westwards and extending northwards later and the southern depressions undergoing considerable modification in form.

Friday, 21st April, 1905.

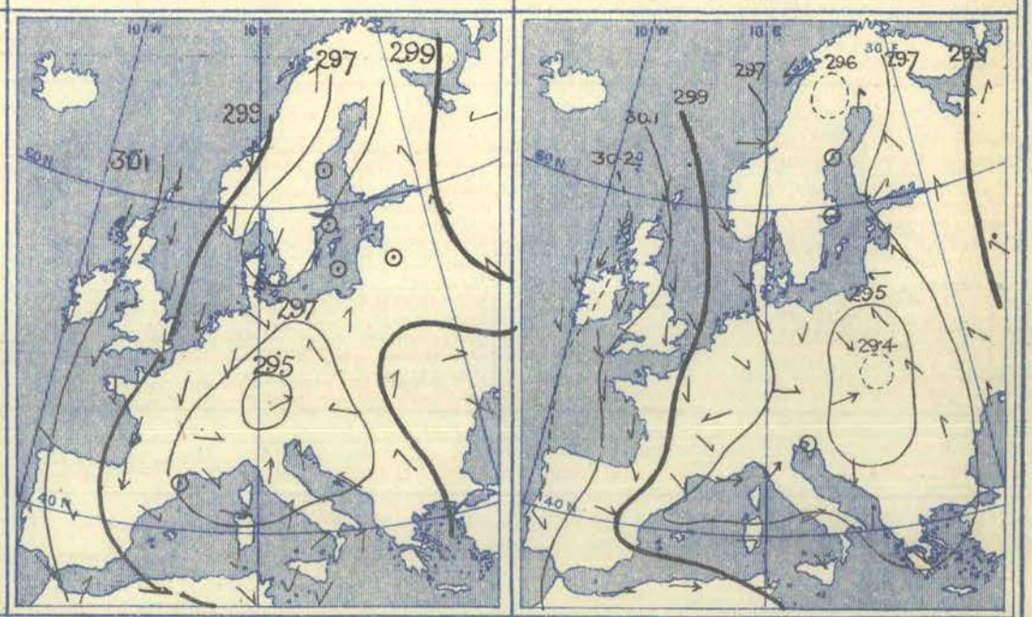
Temperature and Weather. 8 a.m.



Weather at 8 a.m. continuing cloudy or overcast generally, but fine and bright in various parts of southern Europe and in Algeria. Showery at some of our own stations and rainy at some localities in central Europe and in the south-west and east of France. Rain also falling at St. Petersburg and Helsingfors. Slight rain falling in most localities later and heavier amounts in Germany, at Vienna, Rome, and Algiers. At the last-named station a thunderstorm with hail was experienced.

Temperature risen somewhat in most localities. Morning readings ranging from 64° at Patras and about 60° at a few other stations in the extreme south to below 50° over the major portion of our area, and to below 40° in the north. Lowest values, 32° at Archangel and 31° at Bodö. Maxima during day below 50° at nearly all our own stations and at several in France and Germany, above 60° in the south of Europe generally, and above 70° in Greece, Algeria, and Tunis.

Barometer and Wind. 8 a.m. 6 p.m.

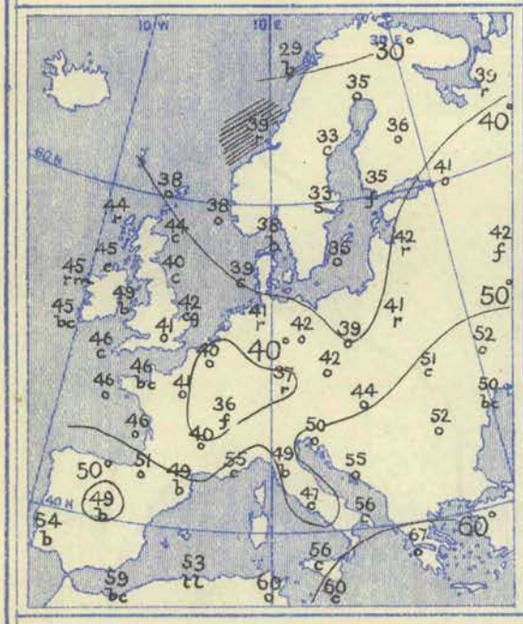


Wind in morning cyclonic generally, but not strong in force. Northerly over our Islands and fresh in places. Not much change taking place later as a whole, but wind increasing in force over the Mediterranean and also on the eastern shores of the North Sea. A fresh North-North-West gale setting in at Skudesnaes.

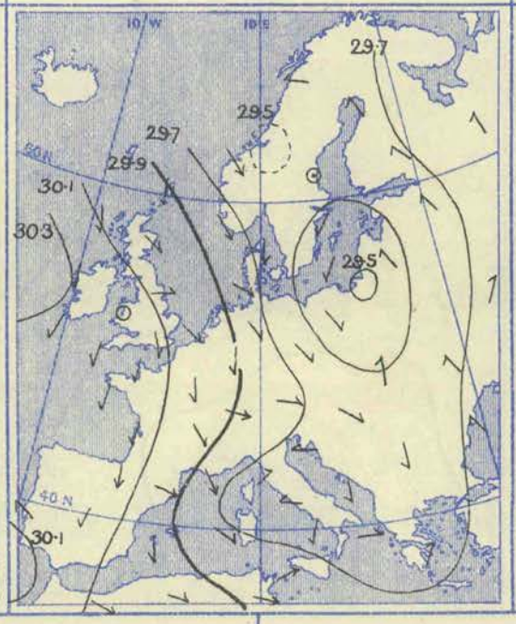
Barometer at 8 a.m. highest, 30·2 ins. and above, off our most western coasts. Lowest, 29·5 ins. and less in a depression over Bavaria and also in a very small secondary minimum near Nice. Below 29·7 ins. in an elongated disturbance over Scandinavia. Bavarian depression moving eastwards and becoming deeper, and Scandinavian system undergoing a considerable modification in form and also increasing in depth.

Saturday, 22nd April, 1905.

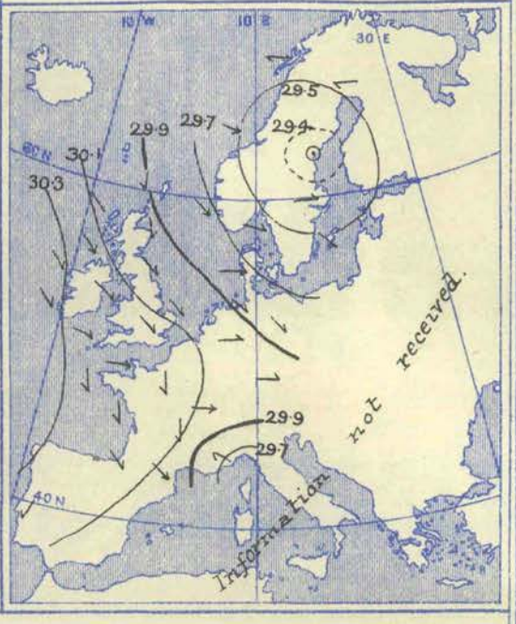
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. varying greatly. Fine and bright in some parts of England and Ireland and in a few localities both in the north and south of the Continent. Rainy in Scotland and in the north-west of Ireland, at Christiansund, Helsingfors, Archangel, Warsaw, on some shores of the Baltic, and at Munich. Snow falling at Stockholm, and a thunderstorm in progress at Algiers; cloudy or overcast elsewhere. Showers falling later in various parts of our Islands, Scandinavia, Germany, and the Netherlands.

Temperature fallen in most regions. Morning values highest, 67° at Patras, 60° at Malta, 59° at Nemours, and 56° at Barcelona. Lowest, 29° at Bodö, 32° at Karlstad, below 40° in the north generally and at some stations in central Europe, and only 47° at Naples. Rising later to 50° or a little higher at many of our own stations and to 58° at Leith. Maximum only 51° at Paris and 47° at Lyons.

Wind at 8 a.m. showing several complete or partial cyclonic circulations on the Continent; strong from the Northward or North-Westward on the west coast of Norway and at some Baltic stations, but moderate generally. Moderate Northerly to North-Westerly breezes prevalent over our Islands. Wind becoming more Westerly over the United Kingdom.

Barometer in morning ranging from 30·3 ins. on the west coast of Ireland and above 29·9 ins. over the southern parts of Russia to nearly 29·6 ins. in a depression centred over the Gulf of Genoa, to below 29·5 ins. in other minima situated over Hungary and the west of Norway, and to less than 29·3 ins. in a well-marked disturbance over Courland. Barometer rising later over the Bay of Biscay, the west of France, and the Spanish Peninsula.

IV.—GENERAL NOTES.

The general character of the weather during this week was cold and unsettled, some heavy falls of rain being experienced in the southern regions and rather frequent showers of sleet, rain, or hail over Great Britain and its vicinity. At the commencement of the period the barometer was highest in the extreme north of Europe and lowest in depressions situated off our south-west coasts and the Gulf of Genoa. The former low pressure system gradually dispersed, while the latter moved eastwards and north-eastwards, and finally northwards to the Baltic at the same time undergoing much modification both in form and intensity, the northern anticyclone meanwhile travelling westwards to Norway and the Atlantic and subsequently south-westwards to a position off our north-west and west coasts. Other disturbances continued to form over the Mediterranean region, while local and ill-defined secondaries affected the United Kingdom and other parts of our area. By the end of the week a depression was moving north-westwards over Scandinavia towards the Atlantic and the general distribution of pressure, which was at first favourable to Easterly winds over nearly all of Europe, finally became of a Northerly to North-Westerly type over all the more western countries. Both the Easterly and North-Easterly winds were fresh or strong over the northern and north-western regions, but never attained the force of a gale. The winds over the Mediterranean and its neighbourhood were of little strength generally, but blew freshly or even strongly at times.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 92.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	36·3	+ 0·8	36	+ 1
STRATHPEFFER SPA	26·7	- 7·6	26	- 8
CRATHES	22·6	—	22	—
BALRUDDERY	35·8	—	36	—
EDINBURGH	24·0	- 5·8	24	- 6
COCKLE PARK	9·2	—	9	—
NEWCASTLE-on-TYNE	5·6	—	6	—
SALTBURN-by-the-SEA	—	—	—	—
YORK	20·8	-11·7	21	- 12
SKEGNESS	?22·6	—	?22·8	—
CROMER	20·6	—	21	—
LOWESTOFT	—	—	—	—
DUNMOW	20·9	—	21	—
SHEFFIELD	17·1	—	17	—
WORKSOP	17·9	- 13·0	18	- 13
MARGATE	28·5	- 8·6	29	- 9
BROADSTAIRS	—	—	—	—
RAMSGATE	33·0	—	34	—
EASTBOURNE	23·8	- 17·7	25	- 18
BRIGHTON	32·4	- 9·1	33	- 9
WORTHING	23·6	—	24	—
BOGNOR	21·3	—	22	—
VENTNOR HOSPITAL	16·8	- 27·4	17	- 28
BOURNEMOUTH	14·7	—	15	—
MARLBOROUGH	18·9	- 15·1	19	- 15
SOUTHPORT	29·7	—	30	—
RHYL	27·5	—	28	—
ABERDOVEY	35·0	—	36	—
TENBY	24·5	- 20·0	25	- 20
TORQUAY	13·3	- 29·0	14	- 30
NEWQUAY	20·3	- 21·4	21	- 22
GUERNSEY	30·0	- 17·0	31	- 18

Reports received too late for insertion in their proper places.

TWENTY-EIGHTH YEAR.
VOLUME XXII. (New Series).
WEEKLY ISSUE.

NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 14, page 80 — Lincoln	55	28	49·6	34·0	41·4	−2·9	21	31	3	0·50	+0·13	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 17. SEVENTEENTH WEEK, ENDING SATURDAY, APRIL 29TH, 1905. *Price 6d. Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 98.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	60	29	47·2	36·5	41·6	3 below	15	−16	21	+ 8	168	−47	454	− 68
	1. SCOTLAND, EAST	57	30	50·3	37·6	43·6	2 below	30	− 9	12	− 1	244	−36	487	− 88
	2. ENGLAND, N.E.	59	32	53·3	39·8	46·2	0 (average)	39	+ 1	6	− 3	315	+29	366	−115
	3. ENGLAND, EAST	61	29	55·0	41·4	47·9	0 (average	44	+ 5	2	− 7	354	− 4	341	−184
	4. MIDLAND COUNTIES	60	31	53·0	40·8	46·7	1 below	38	−13	3	− 8	387	− 1	372	−159
	5. ENGLAND, SOUTH	60	31	53·9	42·3	47·8	1 below	41	−13	0	− 5	390	−25	264	−132
Principal Grazing Districts.	6. SCOTLAND, WEST	62	29	51·6	40·1	45·6	1 below	33	−10	5	− 2	302	0	310	− 99
	7. ENGLAND, N.W.	59	32	51·5	41·9	46·5	1 below	32	−12	0	− 7	338*	+19	270*	−123
	8. ENGLAND, S.W.	61	34	53·2	43·0	47·9	0 (average)	41	− 9	0	− 4	413	−16	209	− 93
	9. IRELAND, NORTH	59	26	51·9	41·0	46·2	1 below	34	−11	3	− 3	365	−13	267	− 73
	10. IRELAND SOUTH	59	31	54·0	42·8	48·2	1 below	43	− 9	0	− 4	494*	+ 6	166	− 88
	— CHANNEL ISLANDS	59	41	53·2	45·1	49·0	1 below	49	− 7	0	0	604	+69	55	− 65

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 98.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	6	0 (average)	99	+23	20·1	+ 5·5	21	−14	20	−13	274	− 42	22	− 3
	1. SCOTLAND, EAST	5	7	2 more	75	+12	8·4	− 0·7	24	−13	23	−13	337	− 39	27	− 3
	2. ENGLAND, N.E.	5	5	1 more	58	− 2	4·7	− 2·1	30	− 6	29	− 6	375*	− 25	29	− 2
	3. ENGLAND, EAST	4	2	2 less	65	+ 4	5·5	− 1·0	27	−14	27	−14	418	+ 3	33	0
	4. MIDLAND COUNTIES	5	4	0 (average)	65	+ 8	6·4	− 1·3	28	− 9	28	− 9	347	− 11	27	− 1
	5. ENGLAND, SOUTH	5	3	1 less	65	+ 8	7·8	− 0·5	27	−14	27	−14	386	− 22	30	− 2
Principal Grazing Districts.	6. SCOTLAND, WEST	5	10	3 more	81	+15	15·9	+ 0·1	28	−10	27	− 9	372	+ 13	29	+ 1
	7. ENGLAND, N.W.	5	9	5 more	74	+12	9·6	0·0	24	− 6	24	− 5	363	+ 40	28	+ 3
	8. ENGLAND, S.W.	6	9	4 more	70	+ 6	11·4	− 0·3	28	−10	28	−10	366*	− 49	28	− 4
	9. IRELAND, NORTH	6	10	4 more	88	+13	12·2	+ 1·6	24	−12	23	−12	375	+ 20	29	+ 2
	10. IRELAND, SOUTH	6	12	5 more	84*	+16	13·1	+ 0·1	18	−22	18	−22	356	− 51	28	− 4
	— CHANNEL ISLANDS	5	4	1 less	78	+ 9	10·0	− 0·1	37	−12	37	−12	411	− 77	32	− 6

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather during this week was rather dull for the time of year, with frequent showers of rain in all the more southern districts, and of rain, hail, or sleet in the north. Lightning was observed at some stations in Suffolk on Sunday evening.

Temperature was much below the mean during the first day or two, but subsequently rose to about the normal except in Scotland. In Scotland E. and N. the averages for the week were 2° or 3° respectively below the mean. The highest of the maxima were mostly recorded either on the 26th or 27th, and ranged from 62° in Scotland W. and 61° in England E. and S.W. to 57° in Scotland E. The lowest of the minima occurred, as a rule, either on the 24th or 25th, and varied from 26° in Ireland N. and 29° in Scotland N. and W. and England E. to 34° in England S.W. and to 41° in the Channel Islands.

Rainfall exceeded the mean over the Kingdom generally, but only just equalled it in Scotland N. and the Midland Counties, and was rather less in England E. and S. and the Channel Islands. In all the grazing districts the excess was rather large.

Bright Sunshine was deficient over the whole country; the percentage of the possible duration ranged from 37 in the Channel Islands and 29 in England N.E. to 20 in Scotland N. and to 18 in Ireland S.

Barometer and Wind. The distribution of pressure was at first of a North-Westerly type, and the wind current from that quarter fresh or strong in many parts of the Kingdom. By Tuesday morning, however, the arrival of a depression to Ireland brought about a more westerly type, and other systems subsequently advancing over our western and northern districts the general current of wind became South-Westerly. None of the disturbances were very deep, so that little increase in the force of the wind took place, but that which travelled north-eastwards over our north-western districts on Thursday and Friday caused moderate gales or very strong winds on the coasts of Ireland and Wales. The South-Westerly current failed to reach the most northern parts of our Islands, the winds in those regions being chiefly from some North-Easterly point during the latter half of the week.

3598 Wy. & S. Ltd.
370 4 | 05

II.—DATA from which the SUMMARY on page 97 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
April 23-29, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
O. SCOTLAND, N.	Sumburgh Head	48	32	43·9	36·7	40·1	− 2·6	5	18	7	0·72	+ 0·27	*	*	*	*
	Stornoway	52	34	47·6	38·4	42·8	− 1·6	21	10	6	0·58	+ 0·01	25·2	− 14·0	24	− 13
	Wick	55	32	47·4	35·7	41·3	− 3·2	15	24	4	0·53	+ 0·14	*	*	*	*
	Lairg Ꞩ	60	29	48·6	34·9	41·4	− 2·1	18	27	5	0·25	− 0·28	*	*	*	*
	Glencarron Ꞩ	54	32	46·9	36·6	41·5	− 2·9	14	21	5	1·00	− 0·03	*	*	*	*
	Fort Augustus Ꞩ	55	32	48·7	36·4	42·3	− 3·9	26	16	3	0·43	− 0·04	18·5	− 10·0	18	− 10
1. SCOTLAND, E.	Nairn	56	33	49·9	37·0	43·1	− 2·5	29	14	3	0·17	− 0·16	*	*	*	*
	Aberdeen	53	35	49·0	39·3	43·9	− 1·4	25	8	5	0·22	− 0·24	25·9	− 12·7	25	− 12
	Braemar Ꞩ	52	32	46·6	34·7	40·4	− 2·0	13	27	5	0·64	+ 0·13	*	*	*	*
	Clathick Ꞩ	53	32	51·7	38·0	44·5	− 1·8	34	11	4	0·96	+ 0·43	*	*	*	*
	Leith	57	34	54·0	39·7	46·5	− 0·1	41	6	5	0·46	+ 0·11	*	*	*	*
	Marchmont Ꞩ	53	30	50·4	36·6	43·2	− 1·3	31	15	5	1·56	+ 1·03	22·3	− 13·7	22	− 13
2. ENGLAND, N.E	Alnwick Castle	57	32	52·4	38·3	45·0	+ 0·5	37	10	5	0·78	+ 0·31	*	*	*	*
	Durham	57	33	53·1	39·2	45·8	+ 0·5	38	8	5	0·80	+ 0·36	26·1	− 6·3	25	− 6
	Shields	58	34	52·1	39·4	45·5	+ 0·3	35	7	5	0·61	+ 0·25	*	*	*	*
	Scarborough 𝔐	59	35	54·4	40·7	47·2	+ 1·2	42	4	5	0·45	+ 0·03	33·0	—	32	—
	Spurn Head	57	38	53·0	42·1	47·3	+ 1·1	37	0	4	0·41	+ 0·09	*	*	*	*
	Lincoln	59	34	54·8	38·9	46·5	− 1·2	45	9	4	0·29	− 0·09	*	*	*	*
	Fulbeck	57	33	53·2	40·3	46·4	− 0·6	38	5	4	0·34	− 0·06	29·6	—	29	—
3. ENGLAND, E.	Hillington 𝔐	60	30	56·7	40·1	48·0	+ 0·6	50	5	3	0·13	− 0·27	23·7	− 16·0	23	− 16
	Yarmouth	58	36	52·9	42·1	47·2	+ 0·9	36	0	7	0·35	− 0·03	*	*	*	*
	Geldeston	61	31	55·9	40·0	47·6	+ 0·3	48	6	5	0·19	− 0·17	26·4	− 15·4	26	− 15
	Cambridge	60	29	55·9	40·2	47·7	− 0·8	47	5	6	0·19	− 0·17	28·5	− 11·5	28	− 11
	Felixstowe	57	34	55·0	43·2	48·8	+ 1·3	48	0	4	0·08	—	30·4	—	30	—
	Clacton-on-Sea	56	34	54·0	41·6	47·5	− 0·1	40	1	3	0·09	—	30·5	—	30	—
	Rothamsted	57	32	54·0	40·8	47·1	− 0·1	41	3	5	0·51	+ 0·07	25·9	− 12·2	26	− 12
	Shoeburyness	59	37	55·3	43·3	49·0	+ 0·8	49	0	2	0·19	− 0·11	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	55	31	52·5	38·5	45·2	− 0·4	37	10	5	0·54	+ 0·06	41·1	—	40	—
	Bawtry (Hesley Hall)	58	34	54·4	41·3	47·5	− 0·1	41	2	5	0·71	+ 0·31	*	*	*	*
	Nottingham	57	34	53·1	41·6	47·1	− 0·8	37	1	6	0·22	− 0·21	24·5	—	24	—
	Colly Weston (Stamford)	60	33	53·7	40·1	46·6	− 1·4	40	5	6	0·15	− 0·24	*	*	*	*
	Cheadle 𝔐	54	34	50·5	40·0	45·0	− 1·3	29	6	5	0·50	+ 0·03	*	*	*	*
	Birmingham (Edgbaston)	55	35	51·3	41·2	46·0	− 1·1	31	2	4	0·36	− 0·11	13·3	—	13	—
	Shrewsbury	59	36	53·9	41·9	47·6	− 0·2	40	0	6	0·33	—	*	*	*	*
	Hereford 𝔐	57	34	53·8	41·9	47·6	− 0·6	40	0	5	0·55	+ 0·13	*	*	*	*
	Cirencester	56	32	52·9	39·9	46·1	− 1·0	38	6	5	0·42	− 0·02	25·3	− 14·7	25	− 15
	Oxford	58	33	54·1	42·0	47·8	− 0·7	41	0	4	0·26	− 0·11	24·9	− 13·6	25	− 13
5. ENGLAND, S.	Westminster	58	36	55·3	43·4	49·1	− 1·0	50	0	1	0·09	—	28·6	− 1·9	28	− 2
	London (Brixton)	60	35	56·4	42·6	49·2	− 0·5	50	0	4	0·21	− 0·17	27·8‡	− 5·9‡	28‡	− 6‡
	Wisley (Surrey)	57	34	54·7	42·5	48·3	− 1·8	44	0	3	0·11	—	30·1	—	30	—
	Swarraton (Alresford) 𝔐	58	31	53·3	40·9	46·8	− 0·3	38	3	5	0·39	− 0·05	*	*	*	*
	Tunbridge Wells 𝔐	58	35	53·7	41·0	47·1	− 1·0	40	3	4	0·39	—	27·0	—	27	—
	Dungeness	55	34	53·7	42·3	47·7	− 0·4	40	0	6	0·38	+ 0·06	28·4	—	28	—
	Hastings (St. Leonards)	55	35	53·2	42·4	47·5	− 0·9	39	0	3	0·31	− 0·11	28·0	− 17·0	28	− 17
	Southampton	60	36	55·9	43·5	49·4	− 0·3	52	0	6	0·45	+ 0·01	30·5	− 12·3	31	− 12
	Portland Bill	55	39	52·6	44·4	48·3	− 1·1	44	0	6	0·31	—	*	*	*	*
	Shaftesbury 𝔐	55	35	51·2	40·7	45·7	− 1·8	31	4	5	0·42	− 0·12	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	55	38	51·5	41·6	46·3	− 0·8	32	1	5	0·70	− 0·15	*	*	*	*
	Glasgow	55	34	50·2	40·4	45·1	− 1·3	28	4	4	1·35	+ 0·85	25·6	− 7·1	25	− 7
	Cally Ꞩ	62	31	53·7	39·4	46·2	− 0·4	40	7	4	1·00	+ 0·40	*	*	*	*
	Aspatria	54	33	51·4	40·2	45·5	− 0·5	32	5	4	0·90	—	25·3	—	25	—
	Douglas (Isle of Man)	58	29	51·1	39·0	44·8	− 2·1	32	8	7	0·82	+ 0·28	33·4	− 11·9	32	− 12
7. ENGLAND, N.W.	Newton Rigg	54	32	50·5	38·7	44·3	− 0·7	30	9	5	1·26	—	25·7	—	25	—
	Stonyhurst	55	34	50·4	40·7	45·3	− 1·6	29	4	4	1·25	+ 0·70	35·9	− 1·7	35	− 2
	Blackpool 𝔐	56	39	50·7	43·1	46·7	− 0·8	33	0	4	0·88	+ 0·45	39·4	+ 1·0	39	+ 1
	Manchester (Prestwich)	57	34	51·4	40·4	45·6	− 1·4	32	4	6	1·22	+ 0·75	22·8	—	22	—
	Liverpool Obsy. (Bidston)	57	38	51·1	43·0	46·9	− 1·4	34	0	5	0·79	+ 0·42	16·8	—	17	—
	Chester (Hawarden Bridge)	59	39	53·3	43·5	48·2	− 0·4	43	0	3	0·45	—	*	*	*	*
	Llandudno 𝔐	57	40	52·2	43·0	47·4	− 1·0	38	0	5	0·51	+ 0·10	23·1	− 16·0	23	− 16
	Holyhead	54	39	50·7	42·7	46·5	− 1·7	32	0	5	1·00	+ 0·56	*	*	*	*
	Bettws-y-Coed	57	37	53·2	41·7	47·2	− 0·6	38	1	7	0·88	—	16·7	—	16	—
8. ENGLAND, S.W.	Llangammarch Wells	54	35	50·7	41·1	45·7	− 0·4	30	3	7	1·86	—	6·8	—	7	—
	Pembroke	51	40	50·0	43·0	46·3	− 1·3	30	0	6	0·78	+ 0·34	27·0	− 18·2	27	− 18
	Cardiff	56	35	53·7	41·8	47·5	− 1·4	39	1	7	0·65	—	*	*	*	*
	Clifton	57	39	53·6	44·4	48·8	+ 0·5	48	0	7	0·99	+ 0·47	*	*	*	*
	Bath	57	35	54·3	42·3	48·0	− 1·0	42	0	6	0·67	+ 0·21	22·7	—	23	—
	Arlington (N. Devon)	54	37	51·6	41·3	46·2	− 0·6	32	2	7	1·31	+ 0·65	*	*	*	*
	Cullompton 𝔐	61	34	56·4	42·6	49·2	0·0	50	0	6	0·55	+ 0·01	32·6	− 6·8	33	− 7
	Falmouth	57	41	54·2	45·5	49·6	+ 0·4	53	0	6	0·75	+ 0·11	37·6	− 8·1	38	− 8
	Plymouth	59	39	54·7	45·3	49·8	− 0·2	55	0	5	0·67	+ 0·16	34·9	− 8·5	35	− 9
9. IRELAND, N.	Malin Head	59	36	50·0	40·4	45·0	− 2·2	28	4	7	0·73	+ 0·29	*	*	*	*
	Edenfel (Omagh)	54	33	52·1	40·3	45·9	− 0·4	34	5	7	1·10	+ 0·56	*	*	*	*
	Blacksod Point	54	38	51·4	43·9	47·5	− 0·9	39	0	7	1·03	+ 0·39	*	*	*	*
	Markree Castle	56	26	53·1	39·5	46·0	− 1·1	39	7	6	0·92	+ 0·37	24·6	− 12·3	24	− 12
	Armagh	57	29	54·3	40·2	46·9	− 0·1	42	5	5	1·00	+ 0·52	23·6	− 12·2	23	− 12
	Donaghadee	55	34	50·7	41·7	46·0	− 1·2	29	1	6	0·93	+ 0·48	*	*	*	*
10. IRELAND, S.	Dublin	59	36	55·4	43·3	49·1	+ 0·2	50	0	6	0·52	+ 0·06	21·5	− 20·0	21	− 20
	Birr Castle	56	34	53·4	41·1	47·0	− 1·1	39	3	6	0·51	+ 0·01	14·9	− 22·9	15	− 23
	Kilkenny	57	31	54·0	41·6	47·5	− 0·9	40	1	6	0·82	+ 0·31	*	*	*	*
	Waterford	57	35	54·4	40·4	47·1	− 0·7	42	4	5	1·35	+ 0·78	*	*	*	*
	Roche's Point	55	39	52·9	44·9	48·7	− 0·8	47	0	7	1·42	+ 0·72	*	*	*	*
	Valencia	55	40	53·1	44·3	48·5	− 1·1	46	0	7	1·98	+ 1·17	17·7	− 23·8	18	− 24
	Killarney	58	35	55·1	43·4	49·0	+ 0·1	49	0	7	1·83	+ 1·08	*	*	*	*
	Foynes	56	38	53·3	43·7	48·3	− 0·1	44	0	7	0·76	+ 0·20	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	57	42	51·0	44·9	47·8	− 1·9	41	0	5	0·28	− 0·18	37·6	− 8·4	38	− 8
	Jersey (St. Aubyn's)	59	41	55·4	45·3	50·1	− 0·5	57	0	5	0·46	+ 0·02	33·8	− 15·3	34	− 15

Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for Stations marked Ꞩ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

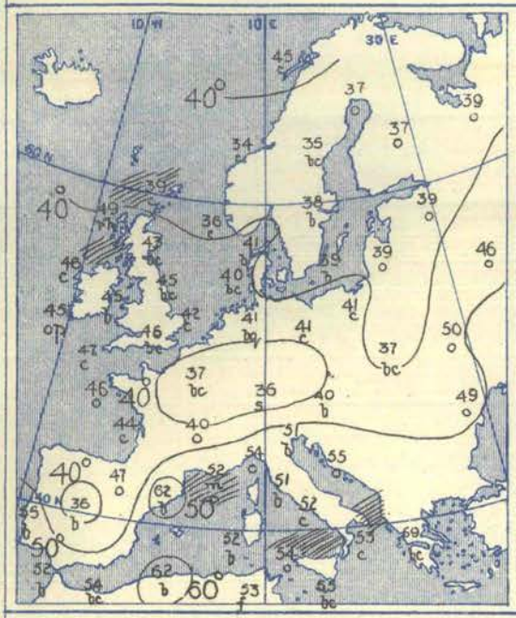
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

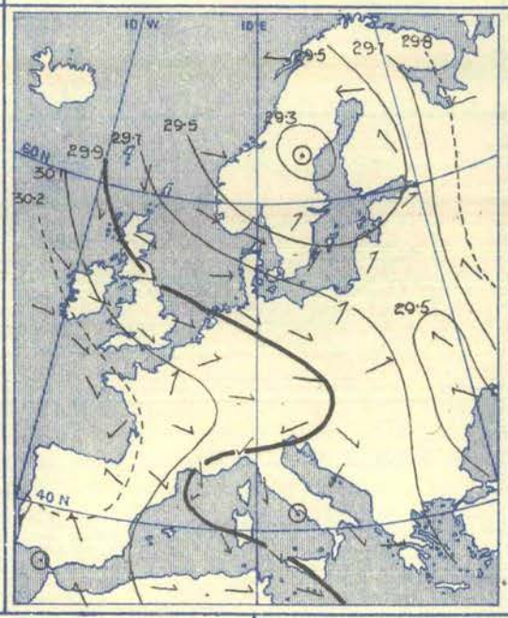
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 23rd April, 1905.

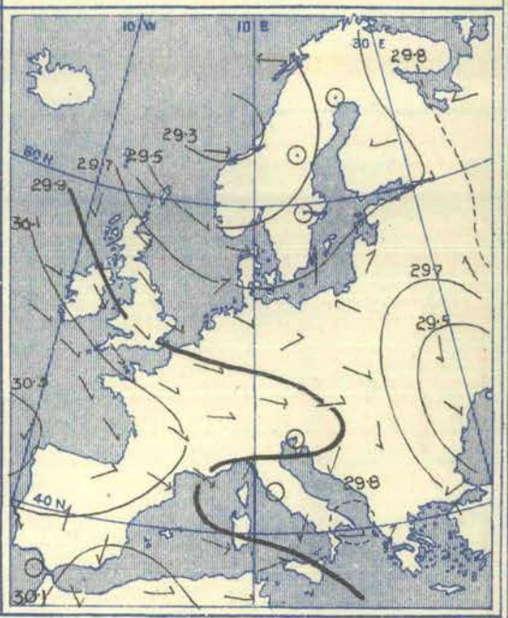
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. overcast or very cloudy as a whole, but fine in many parts of central and southern Europe, the east of England, and Sweden. Rain, hail, or snow showers prevailing in Scotland, snow at Christiansund, Belfort, and Munich, and rain at Vienna and Bilbao. Heavy snow falling later in some parts of Scandinavia and heavy snow or rain at Kiev. Slight showers in most British localities and in various parts of the Continent.

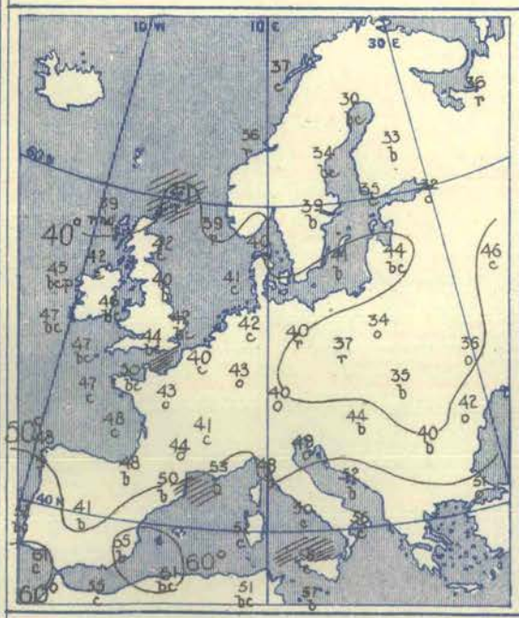
Temperature changed irregularly—risen at most of our own stations, fallen over central Europe and at Madrid. Morning values highest, 62° at Algiers and Barcelona, 59° at Athens, and 58° at Malta. Lowest, (1) 33° at Helsingfors, 35° at Hernösand, 34° at Christiansund, 38° or 39° in the north of Scotland, (2) 36° to 40° at most Austrian stations, (3) 36° at Le Mans, 37° at Paris, (4) 36° at Madrid. Rising later to 55° at Leith and Bournemouth, to between 60° and 70° in the extreme south of Europe, and to 75° at Nemours. Remaining below 50° in several parts of central Europe.

Wind in morning anticyclonic over the Bay of Biscay and its neighbourhood. Cyclonic elsewhere, but mostly light or moderate in force. Northerly wind strong at Malin Head, North-Westerly wind strong at Skudesnaes, and that from East strong at Uleaborg. Little change occurring later.

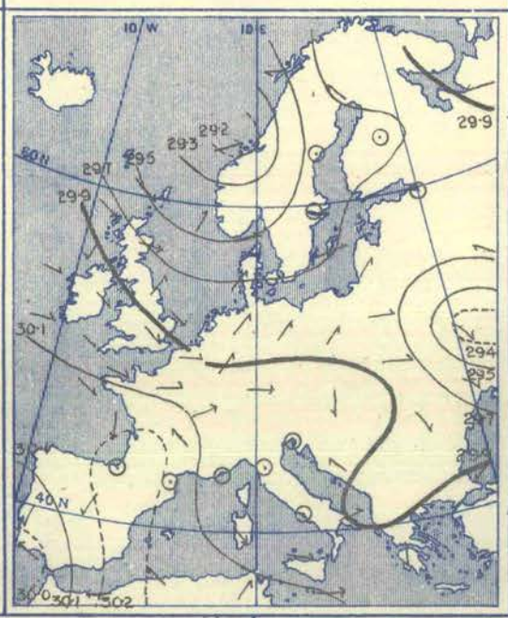
Barometer at 8 a.m. ranging from above 30·2 ins. in an anticyclone extending from the Atlantic to the south-west of Ireland, the west of France, and the north of Spain to below 29·5 ins. in a depression over the Black Sea and Little Russia and to less than 29·3 ins. in another disturbance over Sweden. Relatively low in a secondary system over Corsica and its vicinity. Swedish disturbance moving westwards to the west of Norway during day, and some very small secondary systems shown over the United Kingdom. Little change taking place in the general distribution of pressure.

Monday, 24th April, 1905.

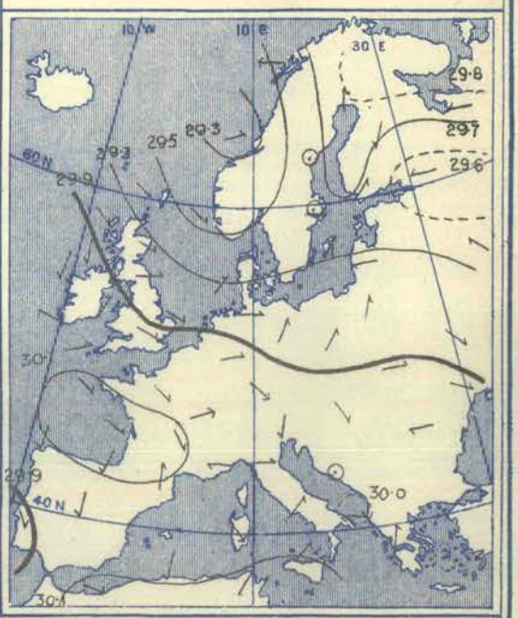
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in Sweden, Finland, Ireland, England, and at most stations in southern Europe; cloudy or overcast elsewhere, with showers of snow or hail in the north of Scotland, rain in the west of Norway, Prussia, and also at Archangel, and snow at Karlstad. As much as 1·3 in. of rain falling in the south-west of Ireland later and slighter amounts in various parts of Great Britain and the Continent. Remaining dry in most parts of Austria, Hungary, and Italy.

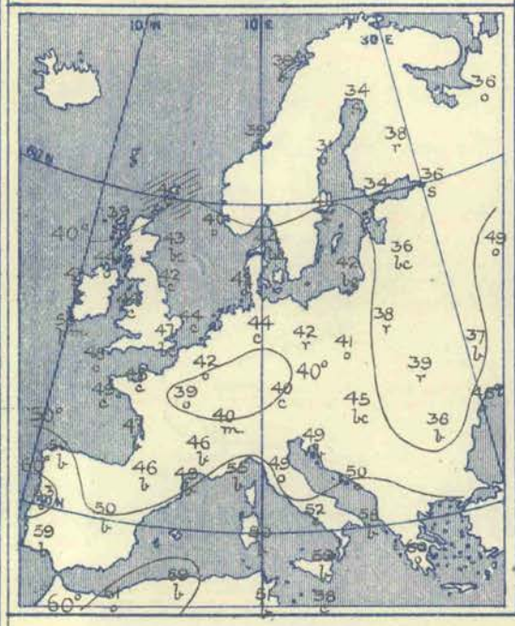
Temperature showing no decided change. Morning readings highest, 61° at Algiers and San Fernando, 58° at Barcelona, Palermo, and Athens, and 56° at Brindisi. Lowest, 30° or a few degrees higher in the extreme north, 35° at Lemberg, 40° at Munich and at some of our own northern stations, 41° at Madrid, and 44° at Cape Sicié. Rising to 50° or above in several parts of our Islands during day, to 56° at Bournemouth, a little higher in most parts of France, 67° at Brindisi, and to 72° at Lisbon and Nemours. Maxima below 50° at most German stations.

Wind in morning Westerly on the west coast of Ireland, North-Westerly over our Islands generally, South-Westerly in Germany and Denmark, and Easterly in the north of Scandinavia. Other cyclonic circulations prevailing over the south of Russia, the Mediterranean, and the south-west of Spain. A fresh or strong breeze reported in various localities, but force moderate or light generally. Wind backing to the South-Westward in the south-west of England later and shifting to East-South-East on the south-west coast of Ireland.

Barometer at 8 a.m. ranging from above 30·2 ins. over the east of Spain and the south-west of France to below 29·4 ins. in a depression over Little Russia, and to less than 29·2 ins. in another system off the west of Norway. Much modification in the distribution of pressure taking place on the Continent by evening and a shallow depression approaching Ireland from the Atlantic. Cyclonic movement over the south of Russia dying out.

Tuesday, 25th April, 1905.

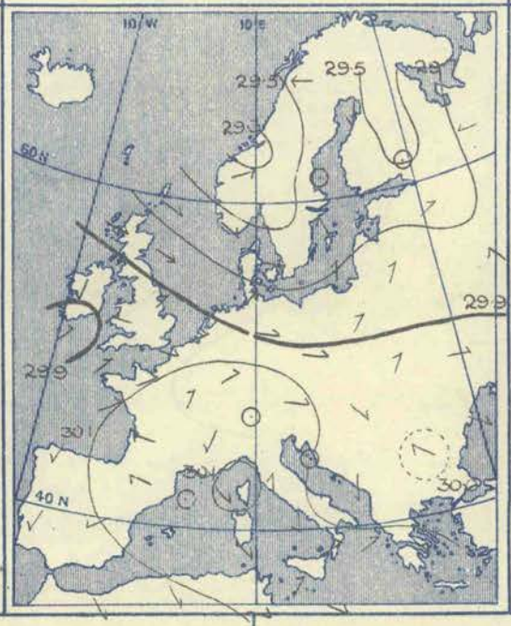
Temperature and Weather. 8 a.m.



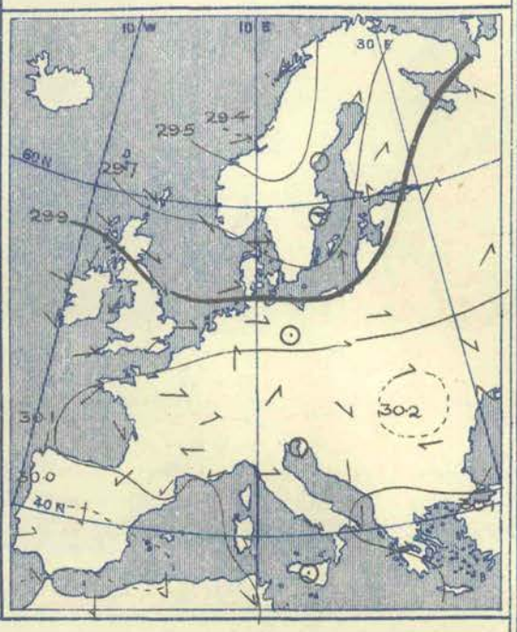
Weather at 8 a.m. fine and bright in most parts of southern Europe. Cloudy or overcast elsewhere, with rain or snow at some stations in the extreme north and rain in several parts of central Europe, in the south of Ireland, and south-west of England. Slight rain experienced later in many parts of our Islands and the northern countries of the Continent, and as much as 0·6 in. at Christiansund.

Temperature risen a few degrees generally, but fallen in France. Morning values ranging from 69° at Algiers, 63° at Oporto, 60° at Patras, and 59° at Malta to 50° in the south of Ireland, some degrees lower over Europe as a whole, and to below 40° in the north and at some French stations. Lowest value, 31° at Hernösand. Rising during day to above 80° at Tunis and Algiers, above 70° in most parts of Spain and Portugal, to above 60° in Italy and the south of France, and to above 50° at many of our own stations.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

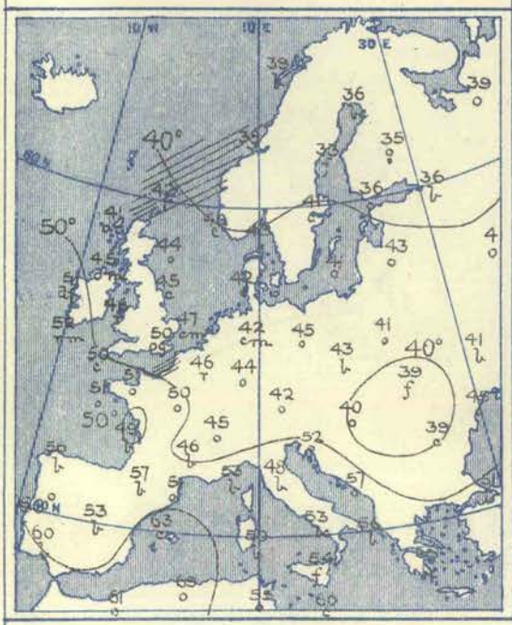


Wind in morning circulating cyclonically around Ireland and in various continental regions. Westerly and South-Westerly breezes strong in Denmark and North Germany and a strong Easterly breeze prevailing at Bodö, but little force generally. Cyclonic movement becoming less pronounced over our Islands by evening and also in some continental regions.

Barometer at 8 a.m. highest, 30·1 ins. and upwards over the major portion of France, Italy, and the Mediterranean. Lowest, about 29·3 ins. in a depression off the west coast of Norway. Relatively low in disturbances over Ireland, Finland, Transylvania, and the Gulf of Genoa. Irish disturbance moving eastwards later and partially dispersing, and the depressions over Finland and Transylvania entirely dispersing. Anticyclone extending eastwards to the south of Russia.

Wednesday, 26th April, 1905.

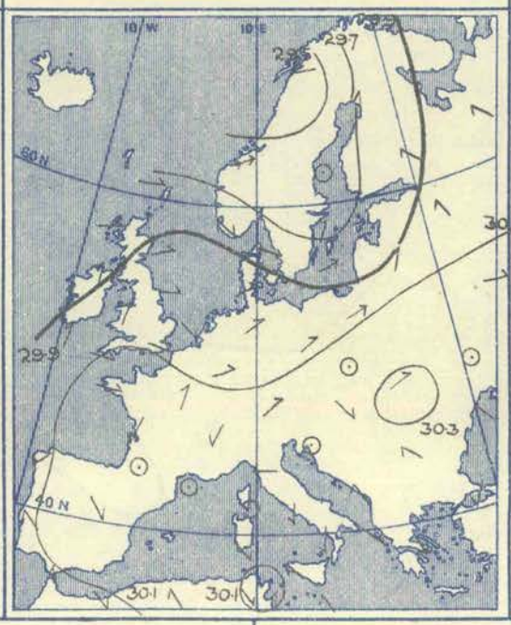
Temperature and Weather. 8 a.m.



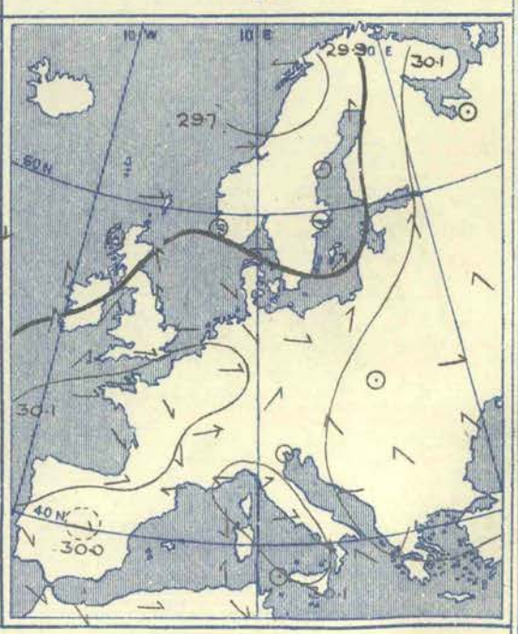
Weather at 8 a.m. fine and bright in nearly all the southern portion of our area; cloudy or overcast elsewhere, with rain at some of our western stations, in the Shetlands, and the west of Norway, and also at Helsingfors. Showers or steady rain experienced later in most parts of our Islands and in several northern regions of the Continent.

Temperature risen slightly in nearly all regions. Morning values ranging from 69° at Algiers, 63° at Barcelona, 60° at Lisbon and Malta, and 57° at Biarritz and Lesina to about 50° at several of our own southern and western stations and at Paris, to some degrees below it over Europe generally, and to below 40° in the north. Maxima during day, 58° in London, above 60° in the south of Europe generally, and above 70° at Lyons and in Algeria.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

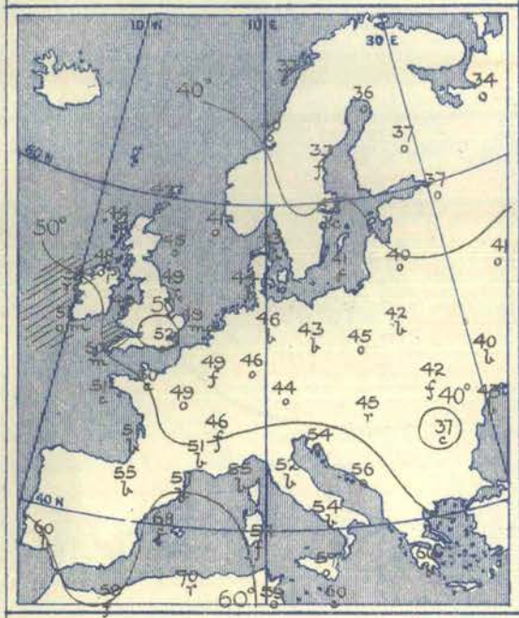


Wind at 8 a.m. generally anticyclonic over the southern half of our area and cyclonic further north. Of light or moderate strength as a whole, but Westerly current blowing a gale at Christiansund and a fresh or strong breeze on some shores of the Baltic. No great change later as a whole. Backing to South on the west coast of Ireland.

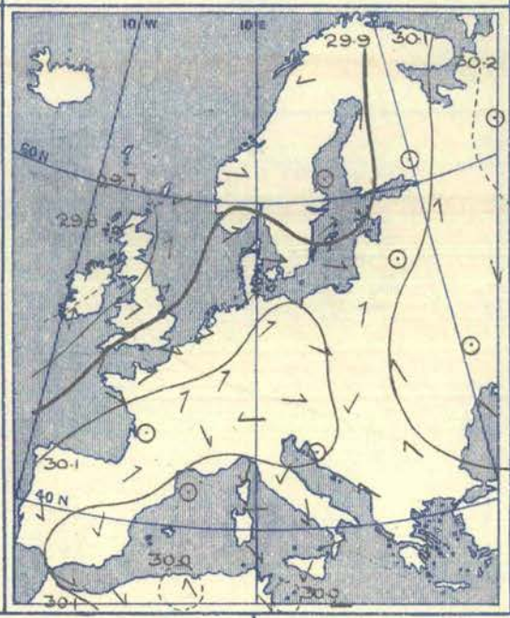
Barometer in morning highest, 30·1 ins. to 30·3 ins. in a large high pressure area centred near Lemberg and embracing all the more southern countries of Europe and the greater part of Russia. Lowest, less than 29·5 ins. in a large depression having its centre off the north-west of Norway, and relatively low in another system off the north-west of Ireland and in a small secondary over Holland. Anticyclone giving way somewhat during day and a fresh depression approaching Ireland from the Atlantic.

Thursday, 27th April, 1905.

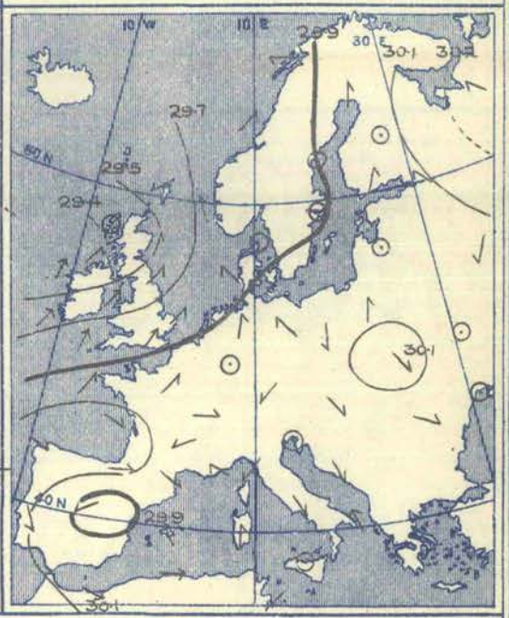
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine in some parts of Denmark, France, and Italy, but very cloudy or overcast generally. Rain falling in many parts of England and Ireland, and at San Fernando and Algiers, and fog prevailing at Brussels and Hernösand. Slight rain experienced later in most British localities and in various continental regions, and heavy amounts in Algeria.

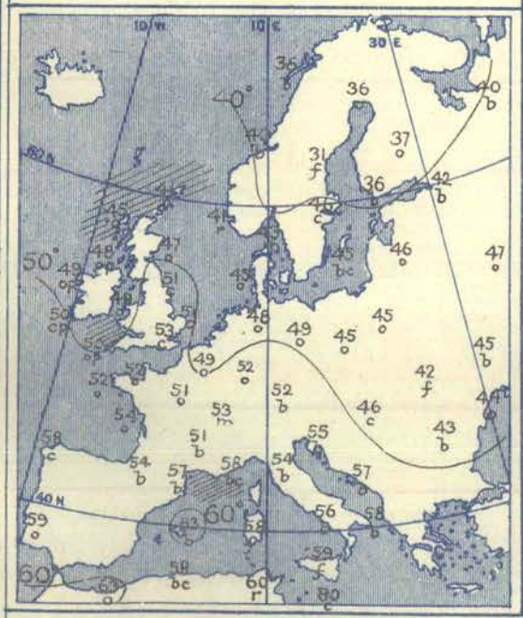
Temperature risen in most places. Morning readings highest, 70° at Algiers, 68° at Barcelona, 60° at Lisbon and Patras. Lowest, 33° at Hernösand, 34° at Archangel, and below 40° at many other northern stations. No higher than 43° at Limoges, 44° at Munich and Vienna, and 37° at Hermanstadt. Maxima during day nearly 60° in various English districts; above 70° over France and central Spain. Highest reading, 81° at Madrid. Thermometer touching 55° at St. Petersburg.

Wind in morning Southerly or South-Westerly over most of our Islands, but North-Easterly in the extreme north. Strong on the Welsh coast and in the west of Ireland. Light or moderate from between West and South over Scandinavia. Light anticyclonic airs reported over the major portion of the Continent. No important change later.

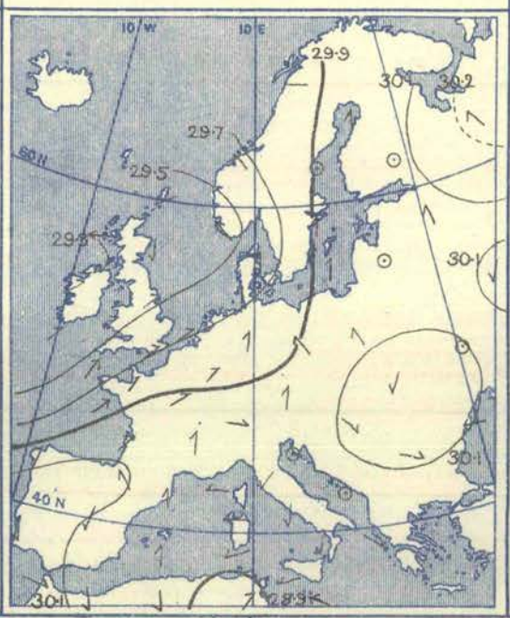
Barometer at 8 a.m. ranging from above 30·2 ins. in the north of Russia and above 30·1 ins. over the rest of that country, the greater part of Germany, France, and the Bay of Biscay, to below 29·8 ins. in a depression over the north-west of Norway, and to below 29·6 ins. in another off the north-west of Ireland. Some shallow, local minima shown on the north coast of Africa. Irish depression travelling very slowly north-eastwards during day, but spreading quickly eastwards and southwards.

Friday, 28th April, 1905.

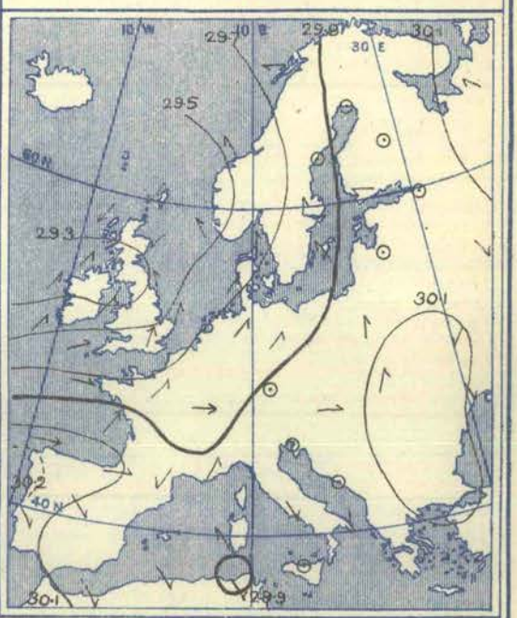
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Little Russia, nearly all parts of Italy and its vicinity, as well as over the Gulf of Finland, at Archangel, and in the north-west of Norway; cloudy or overcast in almost all other regions, with rain in Portugal, on our south-west coasts, at some Algerian stations, and at Skudesnaes. Rain experienced later in most parts of the United Kingdom, Denmark, and Holland, and larger quantities at Cape Gris Nez, Riga, and in Scandinavia.

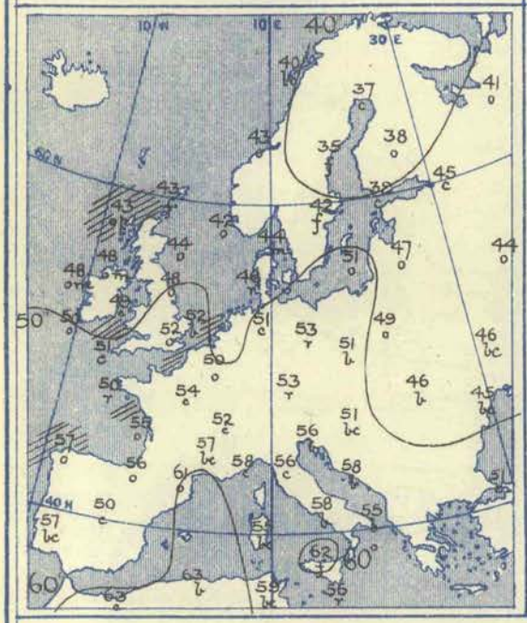
Temperature risen in most districts. Morning readings ranging from 63° at Palma, 60° at La Calle and Malta, and 58° at Genoa, Nice, and Corunna, to below 30° over the northern and central countries, and to below 40° in Finland and Sweden. Lowest value, 31° at Hernösand. Rising later to 59° at Lowestoft, to some degrees above it in central Europe, and to above 70° in some parts of France, Italy, and Spain. Highest reading, 81° at Madrid.

Wind at 8 a.m. Southerly to South-Westerly over Ireland, England, and the nearer parts of the Continent, and fresh or strong in places; South-Easterly, fresh, in Norway, and moderate to fresh from East-North-East in the north of Scotland. Light and rather variable elsewhere. Increasing to a fresh gale from West at the Scilly Isles for a brief period during the morning, but little other change occurring.

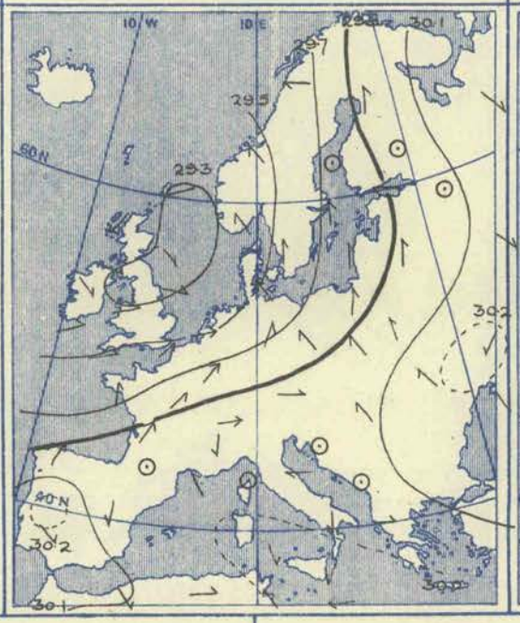
Barometer at 8 a.m. highest, 30·2 ins. and above in the north of Russia and only a little lower over Transylvania and Galicia and in Portugal. Lowest, less than 29·3 ins. in a depression centred off the north-west of Ireland; relatively low in a secondary over the St. George's Channel and in a shallow disturbance over Tunis. Not much change taking place later in the general distribution of pressure. Barometer falling slowly over the United Kingdom.

Saturday, 29th April, 1905.

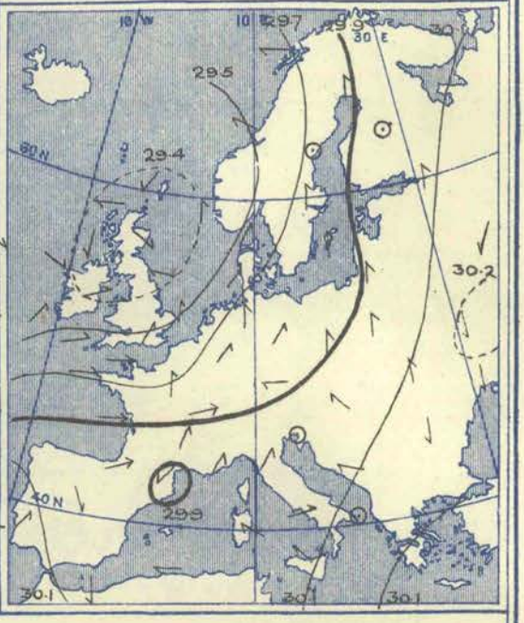
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast generally, rainy in Brittany, at some of our own western stations, and at Munich, Berlin, Fanö, and Malta. Bright over Italy, Hungary, and the south of Russia. Thunderstorms and heavy rain later at various places in the south and east of France, and steady rain or passing showers over the north of France, our Islands, Germany, the Netherlands, Denmark, and Scandinavia.

Temperature not changed much, risen in most places. Morning readings highest, 63° at Algiers and Nemours, 61° at Barcelona, 60° at Palermo, 56° at Trieste. Lowest, 35° at Hernösand, 41° at Archangel, 42° at Skudesnaes, and 43° in the north of Scotland. Rising to nearly 60° later at some of our own southern and south-eastern stations and to 70° or above over central Spain and the Mediterranean region. Highest value, 79° at Oran. Thermometer rising to 72° at Cracow and Breslau and to 59° at St. Petersburg.

Wind at 8 a.m. circulating cyclonically around Scotland, the South-Westerly current blowing freshly or strongly over our southern districts and the Netherlands. Light and anticyclonic over the south-west and south-east of our area. Little change later as a whole, but wind veering to West on the west coast of France and backing somewhat at Valencia Island.

Barometer at 8 a.m. ranging from above 30·2 ins. in Portugal and also in an anticyclone centred over West Russia to below 30·0 ins. in a shallow area over the Mediterranean, and to below 29·3 ins. in a depression over Scotland. Scottish disturbance dispersing slowly during day and pressure giving way over Portugal. A small ill-defined secondary travelling eastwards over the north of France and a small minimum appearing in the south of that country. Barometer falling slightly in the south-west of Ireland by evening.

IV.—GENERAL NOTES.

At the opening of the period pressure was highest off our south-west coasts and the Bay of Biscay and lowest in depressions over the Mediterranean, Scandinavia and the south-west of Russia, but this distribution soon became much altered, the south-western anticyclone receding southwards and eastwards and partially dispersing and the barometer subsequently becoming highest over Russia. Depressions of slight intensity came over our Islands or their immediate neighbourhood from the Atlantic, while others appeared from time to time over the Mediterranean region. Towards the end of the week the cyclonic disturbances from the Atlantic were rather more important and occasioned strong South-Westerly breezes or slight gales on our western coasts. The general level of temperature was low at the beginning of the period, but afterwards rose to about the normal for the time of year. Rain was slight and infrequent over southern Europe, but on Saturday thunderstorms brought heavy rain locally to the southern parts of France. Further north the weather was very variable. A few steady falls of rain were experienced but generally the condition was showery and changeable.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 98.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	14·4	-22·5	14	- 21	CROMER	23·4	—	23	—	BOGNOR	26·8	—	27	—
STRATHPEFFER SPA	27·2	- 8·4	26	- 8	LOWESTOFT	33·6	—	33	—	VENTNOR HOSPITAL	31·9	- 14·4	32	- 14
CRATHES	24·1	—	23	—	DUNMOW	26·1	—	26	—	BOURNEMOUTH	35·5	—	36	—
BALRUDDERY	27·9	—	27	—	SHEFFIELD	36·7	—	36	—	MARLBOROUGH	22·0	- 14·4	22	- 14
EDINBURGH	18·7	- 13·1	18	- 13	WORKSOP	33·1	+ 0·1	33	0	SOUTHPORT	27·1	—	27	—
COCKLE PARK	24·9	—	24	—	MARGATE	23·1	- 15·9	23	- 16	RHYL	21·5	—	21	—
NEWCASTLE-on-TYNE	18·2	—	18	—	BROADSTAIRS	30·0	—	30	—	ABERDOVEY	13·0	—	13	—
SALTBURN-by-the-SEA	29·8	—	29	—	RAMSGATE	28·7	—	28	—	TENBY	20·3	- 25·9	20	- 26
YORK	28·6	- 6·3	23	- 6	EASTBOURNE	23·9	- 20·1	24	- 20	TORQUAY	36·9	- 7·6	37	- 8
SKEGNESS	36·5	—	36	—	BRIGHTON	27·2	- 16·3	27	- 16	NEWQUAY	36·0	- 7·7	36	- 8
					WORTHING	26·7	—	27	—	GUERNSEY	38·2	- 11·8	38	- 12

Reports received too late for insertion in their proper places.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 15, page 86	Foynes	59	34	50·1	40·0	44·8	-1·9	28	6	6	0·45	-0·13	—	—	—	—
,, 16, ,, 92	Plymouth	53	36	49·8	40·0	44·7	-4·1	27	6	1	0·07	-0·46	24·3	-17·0	25	- 18
,, ,, ,,	Foynes	54	35	50·7	40·7	45·5	-1·9	30	4	0	0·00	-0·57	—	—	—	—
,, ,, ,, 96	Saltburn-by-the-Sea	—	—	—	—	—	—	—	—	—	—	—	9·0	—	9	—
,, ,, ,, ,,	Broadstairs	—	—	—	—	—	—	—	—	—	—	—	33·0	—	34	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* } No. 18. EIGHTEENTH WEEK, ENDING SATURDAY, MAY 6TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 104.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	61	32	49·4	39·5	44·2	1 below	26	−10	7	− 4	194	−57	461	− 72
	1. SCOTLAND, EAST	63	30	53·5	39·1	45·9	0 (average)	39	− 5	8	− 3	283	−41	495	− 91
	2. ENGLAND, N.E.	66	27	54·0	39·8	46·5	1 below	41	− 2	6	− 1	356	+27	372	−116
	3. ENGLAND, EAST	62	33	56·0	42·0	48·6	0 (average)	46	− 9	0	− 8	400	−13	341	−192
	4. MIDLAND COUNTIES	67	27	55·2	38·5	46·4	2 below	46	−10	10	+ 2	433	−11	382	−157
	5. ENGLAND, SOUTH	68	33	57·3	42·2	49·3	0 (average)	51	−10	0	− 4	441	−35	264	−136
Principal Grazing Districts.	6. SCOTLAND, WEST	63	32	55·1	40·9	47·6	0 (average)	44	− 4	3	− 4	345*	− 5	313	−103
	7. ENGLAND, N.W.	63	32	53·3	41·1	46·9	2 below	38	−12	3	− 2	376	+ 7	273	−125
	8. ENGLAND, S.W.	66	30	55·1	40·2	47·2	2 below	44	−12	5	+ 2	457	−28	214	− 91
	9. IRELAND, NORTH	61	30	53·1	40·5	46·4	2 below	37	−13	4	− 2	402	−26	271	− 75
	10. IRELAND SOUTH	64	31	55·6	42·2	48·5	1 below	46	−11	0	− 2	540	− 5	166	− 90
	— CHANNEL ISLANDS	60	42	54·6	45·9	50·0	1 below	56	− 8	0	0	660	+61	55	− 65

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 104.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	4	1 less	104	+24	20·5	+ 5·3	28	− 8	25	− 8	302	− 50	22	− 4
	1. SCOTLAND, EAST	4	4	1 less	79	+12	8·8	− 0·7	29	− 8	27	− 7	366	− 46	27	− 3
	2. ENGLAND, N.E.	4	6	2 more	62	− 1	5·3	− 1·9	42	+ 4	39	+ 3	417	− 22	30	− 2
	3. ENGLAND, EAST	3	6	2 more	68	+ 4	6·1	− 0·8	52	+11	50	+11	470	+ 14	34	+ 1
	4. MIDLAND COUNTIES	4	6	2 more	69	+ 9	7·0	− 1·1	37	+ 3	36	+ 3	384	− 7	28	− 1
	5. ENGLAND, SOUTH	3	6	2 more	68	+ 8	8·4	− 0·3	55	+13	53	+12	441	− 9	32	− 1
Principal Grazing Districts.	6. SCOTLAND, WEST	4	6	0 (average)	85	+16	16·5	+ 0·1	31	− 9	30	− 8	403	+ 4	29	0
	7. ENGLAND, N.W.	4	6	2 more	78	+13	10·2	+ 0·2	39	− 1	37	− 1	402	+ 39	29	+ 3
	8. ENGLAND, S.W.	3	6	1 more	73	+ 6	12·0	− 0·3	48	+ 2	46	+ 2	414	− 45	30	− 3
	9. IRELAND, NORTH	5	4	1 less	93	+14	12·6	+ 1·5	42	+ 4	40	+ 4	417	+ 24	30	+ 2
	10. IRELAND, SOUTH	5	8	2 more	89	+17	13·9	+ 0·3	41	− 1	39	− 1	397	− 52	29	− 4
	— CHANNEL ISLANDS	5	8	4 more	23	+11	10·8	+ 0·2	51	0	50	0	462	− 77	33	− 6

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather during this period was unsettled and rainy at first but afterwards became fine and bright. Thunder was heard at Lincoln on the afternoon of April 30th.

Temperature just equalled the mean in several districts, but was 1° or 2° below it as a whole. The highest of the maxima were recorded at most stations either on the 5th or 6th, and ranged from 68° in England S. and 67° in the Midland Counties to 61° in Scotland N. and Ireland N., and to 60° in the Channel Islands. The lowest of the minima, which were also registered during the latter part of the week, ranged from 27° in England N.E. and the Midland Counties and between 30° and 32° in most other parts of the country to 33° in England S. and E., and to 42° in the Channel Islands.

Rainfall was less than the mean in Scotland N. and E. and Ireland N. and equal to it in Scotland W. In all other districts the fall was more than the normal, that in the Channel Islands being twice as great.

Bright Sunshine exceeded the normal in nearly all parts of England and in the north of Ireland, but was rather deficient in Scotland, England N.W., and Ireland S. The percentage of the possible duration ranged from 53 in England S. and 50 in England E. and the Channel Islands to 30 in Scotland W., and to 25 in Scotland N.

Barometer and Wind. During the early days of the week a depression passed north-north-eastward over our western districts to the north-east of Scotland. On its first appearance it was very deep and the South-Westerly and Southerly winds on our southern coasts increased to the force of a gale. It subsequently became much shallower and was finally merged with another disturbance that moved over the Kingdom from South-West to North-East and travelled on to the north of Scandinavia. During Wednesday an anticyclone began to encroach over our Islands from the Atlantic, and by the end of the week stretched in the form of a band from our south-western coasts to Sweden, the barometer being highest in the latter region. The North-Easterly winds which prevailed over the south-east coast of England with this distribution of pressure were fresh or strong in force.

3620 Wy. & S. Ltd.
370 5 | 05

II.—DATA from which the SUMMARY on page 103 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
April 30-May 6, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head	48	38	46·4	40·1	43·1	− 0·2	16	5	5	0·30	− 0·13	*	*	*	*
	Stornoway	54	35	48·7	39·4	43·8	− 1·4	24	7	4	0·26	− 0·31	33·1	− 6·8	30	− 6
	Wick	57	37	50·4	40·7	45·3	0·0	29	4	4	0·26	− 0·14	*	*	*	*
	Lairg §												*	*	*	*
	Glencarron §	59	32	50·0	37·2	43·2	− 2·2	29	13	6	1·01	− 0·04	*	*	*	*
	Fort Augustus §	61	32	51·3	40·2	45·4	− 1·5	31	5	4	0·39	− 0·07	23·3	− 5·5	22	− 5
1. SCOTLAND, E.	Nairn	63	32	52·7	39·7	45·8	− 0·9	36	6	5	0·38	+ 0·02	*	*	*	*
	Aberdeen	59	38	51·6	41·4	46·2	+ 0·1	32	2	4	0·48	+ 0·02	37·5	− 2·6	35	− 2
	Braemar §	56	30	50·5	36·4	43·0	− 0·2	31	16	2	0·34	− 0·16	*	*	*	*
	Clathick §	60	30	55·6	38·5	46·5	− 0·6	46	10	3	0·09	− 0·44	*	*	*	*
	Leith	61	36	55·4	41·0	47·8	+ 0·2	45	3	5	0·44	+ 0·09	*	*	*	*
	Marchmont §	62	33	55·3	37·3	45·8	+ 0·4	46	13	4	0·61	+ 0·08	29·4	− 8·6	28	− 8
2. ENGLAND, N.E	Alnwick Castle	63	29	54·9	37·9	45·9	+ 0·4	45	11	5	0·74	+ 0·28	*	*	*	*
	Durham	64	27	53·5	38·3	45·4	− 1·0	39	10	3	0·45	+ 0·01	35·8	+ 1·0	34	+ 1
	Shields	58	33	51·3	38·6	44·6	− 1·5	32	10	5	0·43	+ 0·07	*	*	*	*
	Scarborough M	56	37	53·3	40·8	46·7	− 0·3	38	3	4	0·80	+ 0·37	37·6	—	36	—
	Spurn Head	58	39	52·6	43·3	47·7	+ 0·6	40	0	4	0·66	+ 0·32	*	*	*	*
	Lincoln	63	35	56·1	40·0	47·6	− 0·9	48	6	3	0·54	+ 0·15	*	*	*	*
	Fulbeck	66	33	56·2	39·8	47·5	− 0·6	48	6	4	0·44	+ 0·04	42·7	—	41	—
3. ENGLAND, E.	Hillington M	61	35	55·3	39·7	47·0	− 1·3	45	6	3	0·51	+ 0·11	54·7	+ 12·3	52	+ 12
	Yarmouth	60	41	53·0	44·1	48·3	+ 1·0	44	0	3	0·87	+ 0·48	*	*	*	*
	Geldeston	61	35	55·3	42·1	48·3	+ 0·1	44	0	4	0·92	+ 0·55	50·5	+ 5·2	49	+ 5
	Cambridge	61	33	57·6	40·5	48·5	− 0·8	52	4	3	0·29	− 0·08	54·7	+ 12·4	53	+ 12
	Felixstowe	59	35	56·1	42·0	48·6	+ 0·6	46	0	3	0·79	—	58·0	—	56	—
	Clacton-on-Sea	61	39	56·4	43·7	49·7	+ 1·5	54	0	3	0·63	—	55·0	—	53	—
	Rothamsted	62	36	56·7	40·6	48·2	+ 0·1	49	4	3	0·43	− 0·01	54·7	+ 14·0	53	+ 14
	Shoeburyness	62	38	57·4	43·0	49·8	+ 1·3	55	0	3	0·47	+ 0·17	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	65	31	53·3	37·1	44·7	− 1·8	39	14	4	0·99	+ 0·55	39·3	—	37	—
	Bawtry (Hesley Hall)	55	27	51·7	36·7	43·8	− 4·7	35	15	3	0·67	+ 0·26	*	*	*	*
	Nottingham	62	27	55·0	39·9	47·0	− 1·9	44	6	4	0·38	− 0·06	38·0	—	36	—
	Colly Weston (Stamford)	67	36	57·9	40·1	48·5	− 0·4	53	5	3	0·44	+ 0·04	*	*	*	*
	Cheadle M	64	34	53·5	38·4	45·5	− 1·5	40	10	4	0·53	+ 0·05	*	*	*	*
	Birmingham (Edgbaston)	63	36	54·0	39·7	46·4	− 1·5	40	6	2	0·46	− 0·02	25·4	—	24	—
	Shrewsbury	67	39	55·9	36·9	45·8	− 3·0	48	14	4	0·83	—	*	*	*	*
	Hereford M	66	33	56·9	38·6	47·2	− 2·0	51	10	3	0·79	+ 0·35	*	*	*	*
	Cirencester	64	34	56·4	37·5	46·4	− 1·6	50	13	4	0·36	− 0·08	44·7	+ 2·3	43	+ 2
	Oxford	66	35	57·6	40·4	48·5	− 1·0	52	4	4	0·74	+ 0·36	49·5	+ 9·0	48	+ 9
	Westminster	65	40	58·9	43·7	50·8	− 0·2	62	0	4	0·35	—	56·0	+ 23·2	54	+ 23
5. ENGLAND, S.	London (Brixton)	66	39	60·3	42·9	51·1	+ 0·4	64	0	4	0·40	+ 0·03	56·1‡	+ 19·6‡	55‡	+ 19‡
	Wisley (Surrey)	64	33	58·1	41·3	49·2	− 1·8	53	2	3	0·47	—	58·1	—	56	—
	Swarraton (Alresford) M	63	35	56·7	40·6	48·2	+ 0·3	49	4	3	0·53	+ 0·09	*	*	*	*
	Tunbridge Wells M	64	37	57·1	40·5	48·3	− 0·8	50	4	4	1·07	—	52·2	—	51	—
	Dungeness	60	41	55·1	44·6	49·5	+ 0·3	53	0	3	1·26	+ 0·96		—		—
	Hastings (St. Leonards)	62	40	56·1	43·3	49·3	− 0·1	51	0	3	0·68	+ 0·30	56·1	+ 7·9	55	+ 8
	Southampton	68	37	60·2	43·1	51·1	+ 0·3	64	0	4	0·51	+ 0·07	58·2	+ 13·1	57	+ 13
	Portland Bill	65	40	57·6	43·7	50·2	+ 0·2	57	0	3	0·25	—	*	*	*	*
	Shaftesbury M	63	37	54·5	39·9	46·8	− 1·5	42	6	3	0·27	− 0·25	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	59	33	54·5	41·6	47·7	− 0·3	42	1	2	0·17	− 0·67	*	*	*	*
	Glasgow	58	38	53·5	42·4	47·6	+ 0·4	39	0	4	0·12	− 0·39	22·8	− 11·7	21	− 11
	Cally §	63	32	60·4	38·0	48·5	+ 0·7	62	11	4	0·75	+ 0·12	*	*	*	*
	Aspatria	59	36	54·2	40·8	47·1	+ 0·3	41	3	5	1·49	—	29·3	—	28	—
	Douglas (Isle of Man)	58	37	53·1	41·5	47·0	− 0·6	37	1	3	0·67	+ 0·13	41·8	− 5·6	39	− 5
7. ENGLAND, N.W.	Newton Rigg	61	32	53·9	38·8	45·9	0·0	41	9	5	0·51	—	30·8	—	29	—
	Stonyhurst	59	35	52·2	40·2	45·8	− 1·8	34	5	4	0·73	+ 0·15	35·8	− 4·2	34	− 4
	Blackpool M	55	34	52·4	40·1	45·9	− 2·4	35	5	4	0·74	+ 0·30	41·4	+ 0·6	39	+ 1
	Manchester (Prestwich)	63	34	53·7	39·6	46·2	− 1·6	39	7	5	0·75	+ 0·26	35·6	—	34	—
	Liverpool Obsy. (Bidston)	60	38	53·7	42·1	47·6	− 1·5	39	0	4	0·28	− 0·12	42·2	—	40	—
	Chester (Hawarden Bridge)	58	37	54·2	41·2	47·3	− 2·3	40	2	3	0·58	—	*	*	*	*
	Llandudno M	61	40	54·3	43·1	48·4	− 0·9	45	0	4	0·52	+ 0·12	42·4	+ 1·1	40	+ 1
	Holyhead	56	41	52·0	44·0	47·8	− 1·2	41	0	4	0·94	+ 0·51	*	*	*	*
	Bettws-y-Coed											—				
8. ENGLAND, S.W.	Llangammarch Wells	64	30	54·4	36·5	44·9	− 2·0	43	15	3	1·46	—	43·9	—	42	—
	Pembroke	53	40	50·9	42·4	46·4	− 2·0	31	0	3	1·00	+ 0·56	41·9	− 5·0	40	− 5
	Cardiff	65	32	56·4	38·0	46·7	− 3·0	50	11	3	0·33	—	*	*	*	*
	Clifton	65	37	57·5	41·7	49·1	− 0·1	51	1	3	0·16	− 0·36	*	*	*	*
	Bath	65	34	57·3	39·0	47·6	− 2·1	52	8	3	0·26	− 0·19	50·1	—	49	—
	Arlington (N. Devon)	58	36	53·7	38·7	45·8	− 2·0	40	9	4	0·31	− 0·34	*	*	*	*
	Cullompton M	66	32	57·5	39·3	47·9	− 2·0	53	8	2	0·43	− 0·08	44·6	+ 3·2	43	+ 3
	Falmouth	56	42	53·3	44·1	48·4	− 1·5	45	0	3	0·80	+ 0·20	55·0	+ 6·8	53	+ 7
	Plymouth	62	38	54·9	42·2	48·2	− 2·7	43	0	4	0·85	+ 0·37	45·3	+ 0·2	44	0
9. IRELAND, N.	Malin Head	59	38	51·3	40·0	45·3	− 2·6	32	6	5	0·21	− 0·24	*	*	*	*
	Edenfel (Omagh)	60	32	54·7	39·9	46·9	− 0·3	43	6	6	0·32	− 0·23	*	*	*	*
	Blacksod Point	54	37	51·1	42·4	46·5	− 2·6	32	0	5	0·27	− 0·37	*	*	*	*
	Markree Castle	58	30	53·2	38·8	45·6	− 2·2	39	9	5	0·54	− 0·02	41·0	+ 2·3	39	+ 2
	Armagh	61	34	56·1	39·2	47·1	− 0·6	47	8	5	0·49	+ 0·02	43·3	+ 5·6	41	+ 5
	Donaghadee	59	39	51·9	42·4	46·9	− 1·1	34	0	6	0·46	0·00	*	*	*	*
10. IRELAND, S.	Dublin	64	37	56·3	42·4	48·9	− 0·9	48	0	5	1·56	+ 1·12	44·3	+ 0·4	42	0
	Birr Castle	61	31	55·3	39·7	47·0	− 1·9	45	6	5	0·35	− 0·15	41·5	+ 2·3	40	+ 2
	Kilkenny	62	32	55·4	39·4	46·9	− 2·3	45	7	3	1·00	+ 0·50	*	*	*	*
	Waterford	64	34	57·1	42·1	49·2	+ 0·4	50	0	4	0·69	+ 0·13	*	*	*	*
	Roche's Point	61	37	54·6	44·0	49·0	− 1·3	49	0	6	0·35	− 0·34	*	*	*	*
	Valencia	56	36	53·4	44·1	48·5	− 1·9	46	0	6	0·85	+ 0·10	37·9	− 5·9	36	− 6
	Killarney	63	34	57·1	43·6	50·0	+ 0·4	56	0	5	0·54	− 0·19	*	*	*	*
	Foynes												*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	56	42	53·0	45·3	48·9	− 1·5	48	0	5	1·24	+ 0·81	53·9	+ 4·7	53	+ 5
	Jersey (St. Aubyn's)	60	45	56·1	46·4	51·0	− 0·3	63	0	5	0·40	− 0·04	46·8	− 4·7	46	− 5

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked § is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

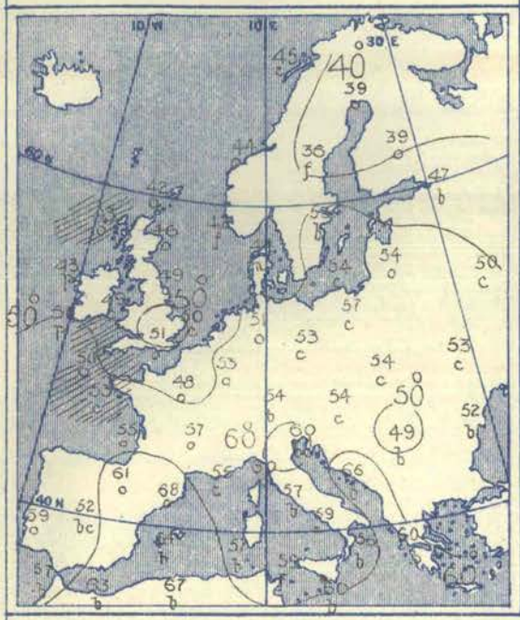
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

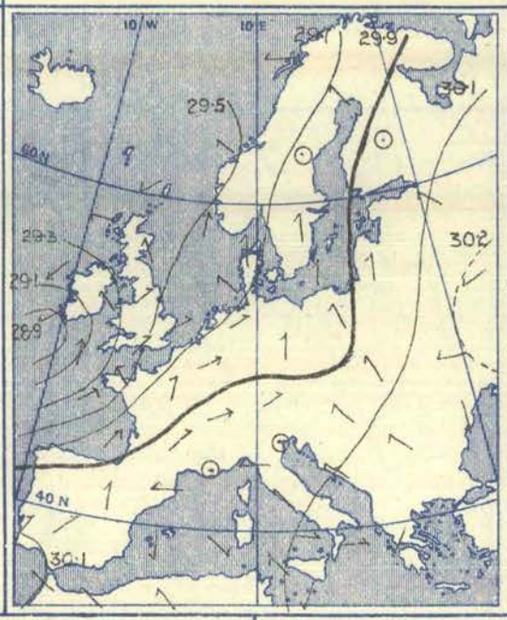
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 30th April, 1905.

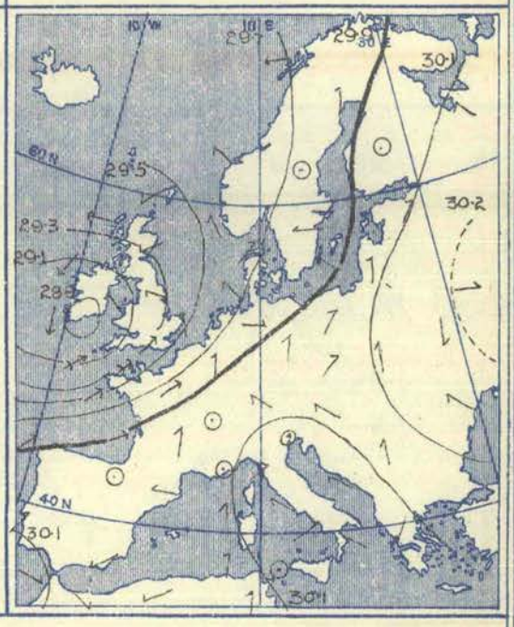
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright at a few stations in southern Europe; cloudy or overcast as a whole, with rain at Oporto, in the south-west of our Islands, some French localities, and also at Prague and Nicolaieff. Rain falling in most regions later, not in large quantities generally, but 0·9 in. at Dunkirk, about 0·5 in. at Pembroke, Nice, Oporto, and Alicante, and 0·4 in. at Oxford and Cape Gris Nez. Remaining dry in Italy and the north of Africa.

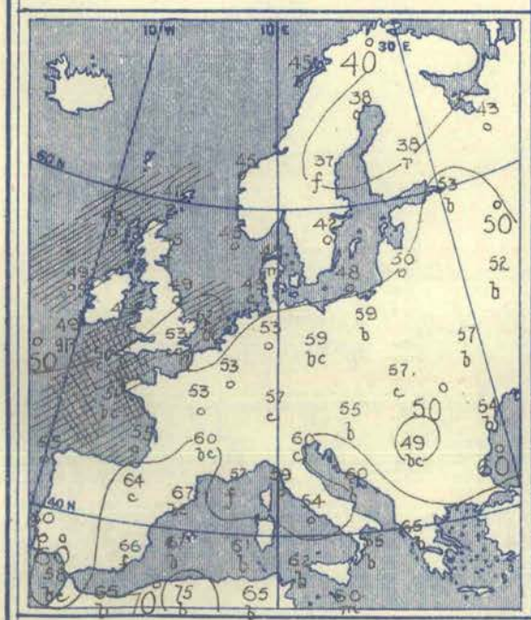
Temperature risen in most parts of our area. Morning readings highest, 68° at Barcelona, 67° at Algiers, and about 60° at several other southern stations. Lowest, 36° at Hernösand, 42° in the Shetlands and the south-west of Norway, about 48° in several parts of England and in the interior of France, 51° at Florence, and 52° at Madrid. Rising later to 58° in London, to 70° or above at most stations in southern Europe, and to 66° at St. Petersburg. Maxima below 50° over the greater part of Scotland.

Wind at 8 a.m. strong to a moderate gale from South and South-East over the west of France and the south-west of England and moderate to fresh from North-East in the west of Ireland. Light and variable over the Mediterranean and mainly Southerly over central Europe and Scandinavia. Light Easterly winds prevailing in Scotland. Increasing to a fresh or strong gale from South and South-West on all our south and south-west coasts during day; freshening considerably over our Islands generally, and also on the adjacent coasts of the Continent.

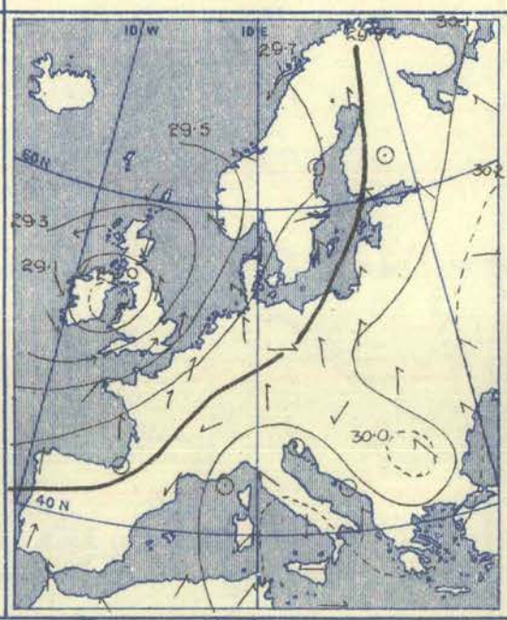
Barometer in morning ranging from above 30·2 ins. in an anticyclone over the southern half of Russia and above 30·1 ins. in the south of Spain to below 28·9 ins. in a deep depression centred off the south-west of Ireland. Disturbance travelling slowly north-eastwards during day, its centre at 6 p.m. being near Roche's Point. Gradients increasing over our Islands, the Netherlands, and the North Sea. Pressure changing little on the Continent.

Monday, 1st May, 1905.

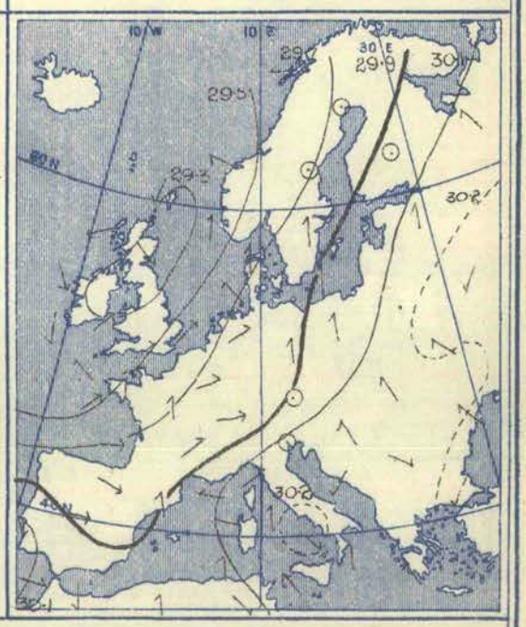
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very squally and rough over Ireland, England, and the north of France, with showers or steady rain in many places. Cloudy or overcast in most other regions, with rain in Scotland and at Kuopio, and a thunderstorm at Helsingfors. Fine and bright in Algeria, Tunis, and various parts of southern Europe. Rain very general later except over the central and southern countries—heavy in several localities—1·5 in. at Cape Gris Nez, 0·9 in. at Scilly, 0·6 in. at Dungeness and Spurn Head.

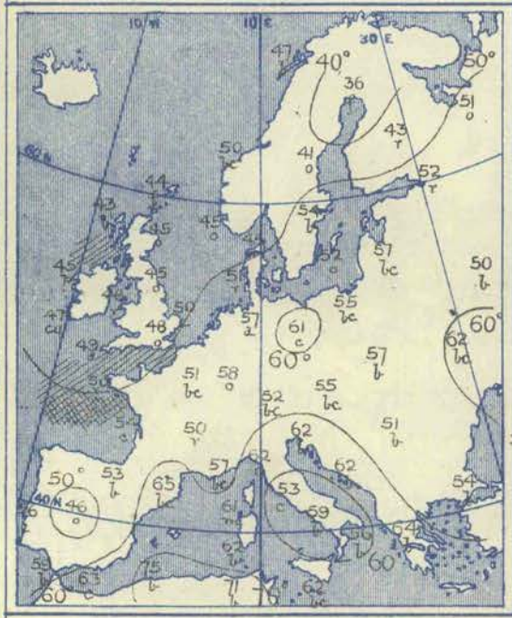
Temperature changed irregularly. Morning readings ranging from 75° at Algiers and above 60° at some other southern stations to below 50° over Finland, Scandinavia, Denmark, and the greater part of our Islands. Lowest readings, 38° and 37° respectively at Haparanda and Hernösand. Rising during day to 60° or 61° on the coast of East Anglia, to 70° or above in most parts of central and southern Europe, and to about 80° in Algeria. Thermometer rising to 68° at St. Petersburg.

Wind in morning showing a complete cyclonic circulation over our Islands. The South-Westerly current blowing a moderate to fresh gale over England, the Channel, and Wales, and that from the Northward strong or fresh in Ireland. Light or moderate breezes, mainly Southerly, prevailing over the more northern countries and light variable airs in the south. Force decreasing over our Islands by evening. Wind falling light and backing to South-East at the Scilly Isles.

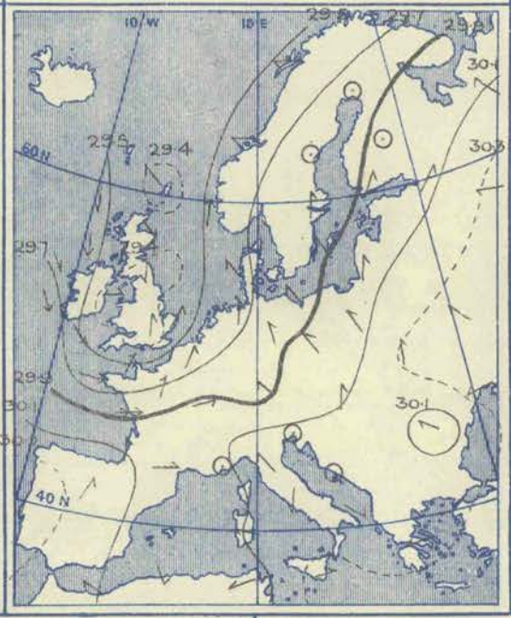
Barometer at 8 a.m. highest, 30·2 ins. and above over the greater part of Russia and over the central portion of the Mediterranean. Lowest, 29·0 ins. and less in a deep depression having its centre near the Isle of Man. Disturbance travelling slowly north-eastwards later, becoming much less deep, and elongated in form. Gradients decreasing over our Islands and their vicinity.

Tuesday, 2nd May, 1905.

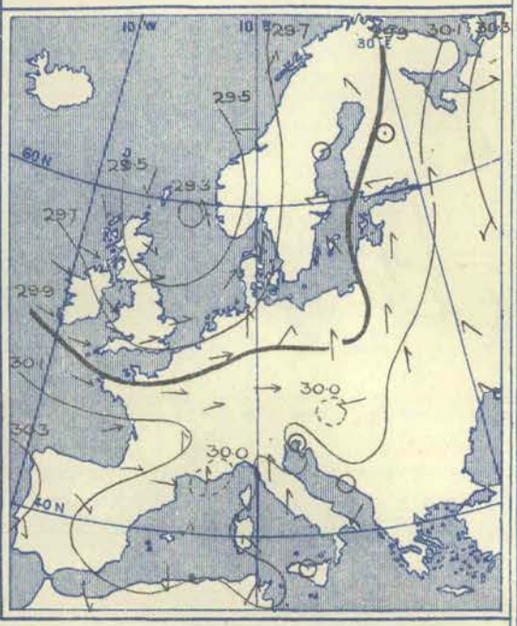
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Algeria, Italy, and Austria-Hungary; cloudy or overcast over our area generally, with rain in various parts of Ireland, England, Brittany, and Denmark, as well as in the south-east of France. Some rain falling later in almost all the more northern regions—largest amounts, 1·1 in. at Faerder, Charleville, and Gap.

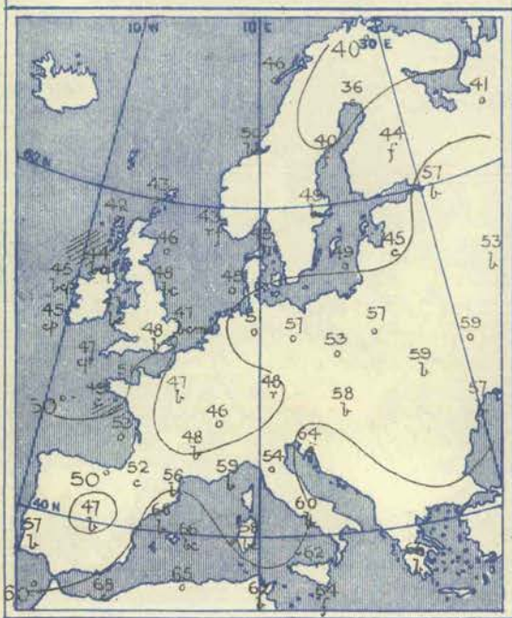
Temperature risen in most regions, but fallen over our Islands and France. Morning readings highest, 75° at Algiers, 71° at La Calle, and 69° or above at several other southern stations. Lowest, 36° at Haparanda, 41° at Hangö, between 43° and 45° over our own northern and north-western districts, 46° at Madrid and Belfort, and 48° at Limoges. Maxima during day below 50° in the north of our Islands, but above 70° in central and southern Europe and above 89° in the north of Africa. Highest reading, 98° at Tunis.

Wind at 8 a.m. cyclonic over our Islands and their vicinity, both the Northerly current in the west and that from the South-Westward over the Channel and the west and north of France blowing strongly. Light and somewhat variable airs prevailing in most other parts of our area. Wind becoming North-Westerly to Westerly over the whole of this country by evening, a fresh gale from South-West setting in at Fanö, and a strong gale from South-South-East at Skudesnaes.

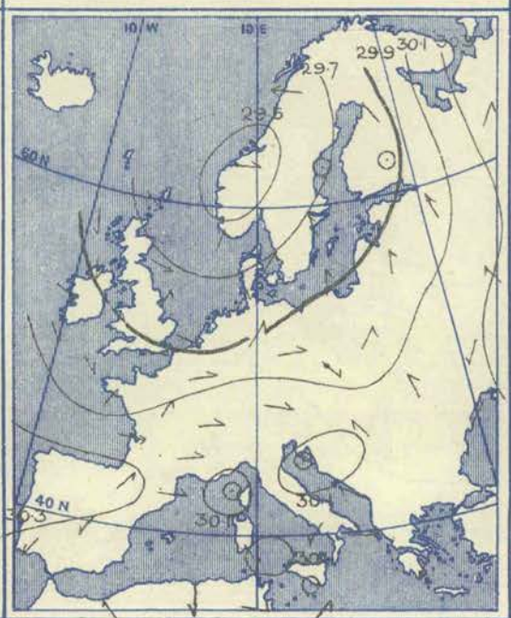
Barometer in morning ranging from above 30·2 ins. over the major portion of Russia and also in the west of the Spanish Peninsula to below 29·4 ins. in two depressions over the United Kingdom. Latter systems moving towards Scandinavia and coalescing later. Spanish anticyclone extending northwards over the Bay of Biscay and pressure increasing throughout these Islands and France.

Wednesday, 3rd May, 1905.

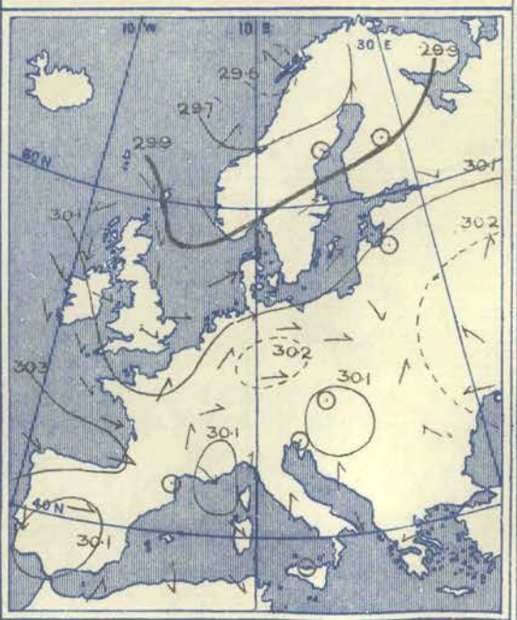
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the greater part of our Islands and the southern half of the Continent; cloudy or overcast further north, with rain and thunder in the south of Norway, and a thunderstorm in the south of Finland. Rain also falling at Munich and showers in the west and north of Ireland. Rain experienced in most countries later—largest fall, 0·5 in. at Christiansund. Thunder occurring at Oxford and a thunderstorm at Margate during the evening. Heavy local rain in some parts of South London.

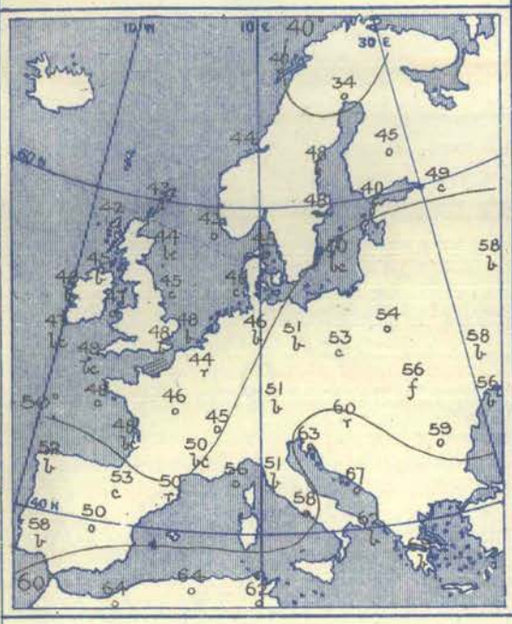
Temperature fallen as a whole. Morning values ranging from 68° at some Algerian stations and 66° in Greece, at Lesina, Palma, and 62° at Cracow, to below 50° at nearly all our own stations, the Netherlands, Denmark, Scandinavia, and Finland. Lowest readings, 40° at Hernösand and 36° at Haparanda. Rising later to 58° in London, 61° at Stockholm, 75° at St. Petersburg, above 75° in Austria, Hungary, and Italy, and above 80° at Patras and Tunis.

Wind at 8 a.m. showing an extensive cyclonic circulation over the north of Europe and some smaller ones over the Mediterranean. Not at all strong in force generally, but fresh on parts of our own coasts and strong at Rochefort and Bodö. No important change taking place later.

Barometer at 8 a.m. ranging from above 30·3 ins. in anticyclones over Russia and the north of Spain to below 30·1 ins. in some shallow minima in the south of Europe, and to less than 29·5 ins. in a depression over the west of Norway. Barometer rising rather decidedly over our Islands and their vicinity during day and Norwegian disturbance travelling northwards. Pressure giving way over the north of Russia.

Thursday, 4th May, 1905.

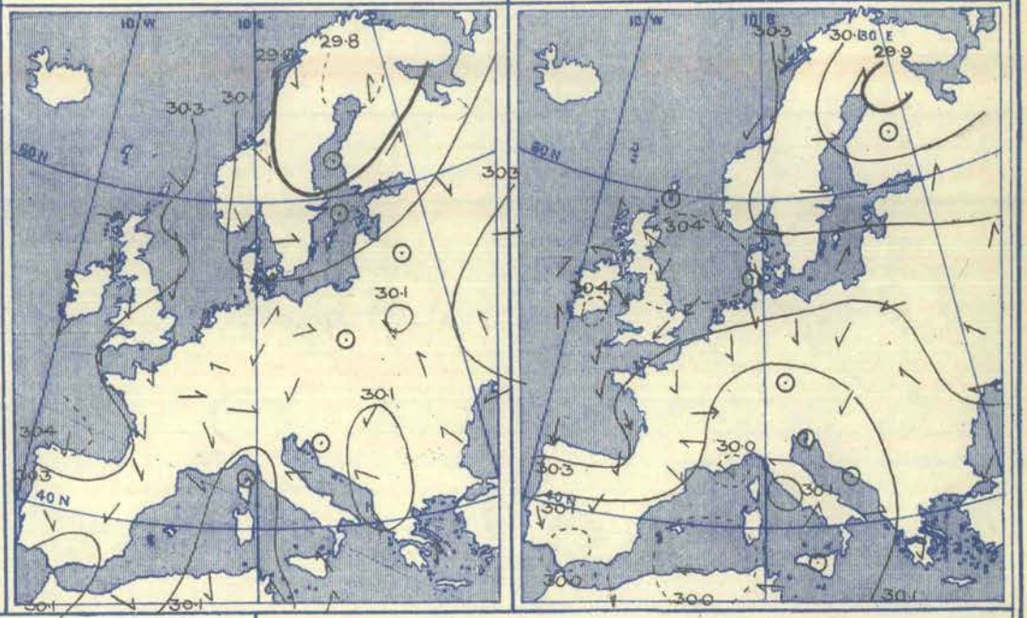
Temperature and Weather. 8 a.m.



Weather at 8 a.m. fair or fine in most regions, but overcast and rainy in some parts of central Europe and at some southern French stations, as well as at Cagliari, in Belgium, and the north-west of Norway. Heavy rain later in Spain (1·2 in. at Madrid), at Prague, Brussels, Turin, and in the south of France. A thunderstorm, with hail, experienced at Biarritz.

Temperature risen in a few places, but fallen as a whole. Morning readings highest, 69° at Patras, 67° at Lesina, 64° at Algiers, 60° at Buda-Pesth, and 58° at Moscow. Lowest, 34° at Haparanda, 41° at Wick, 43° at Aix-la-Chapelle, 44° at Limoges, 49° at Prague, and 50° at Perpignan and Madrid. Maxima during day above 70° at nearly all stations in southern and central Europe, but below 60° at Barcelona and Turin, about 60° on our own extreme southern coasts and 59° at St. Petersburg.

Barometer and Wind. 8 a.m. and 6 p.m.

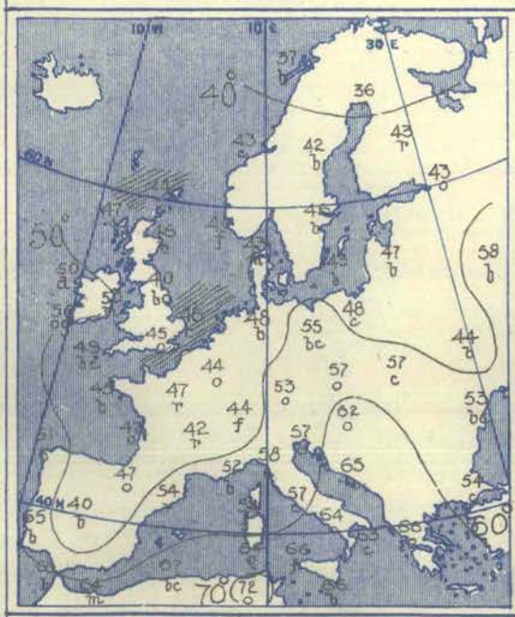


Wind in morning varying greatly. Mainly Northerly over our Islands and the west of France. North-Westerly in Norway, Westerly in Denmark, and South-Westerly in Finland. Chiefly between East and North over central and southern Europe. Light or moderate in force generally, but strong at Skudesnaes. No change of importance taking place later over our area as a whole, but a Southerly wind setting in in Ireland and the Hebrides.

Barometer at 8 a.m. highest, 30·3 ins. and upwards over the southern half of Russia, and also over Scotland, Ireland, and the Bay of Biscay. Lowest, 29·8 ins. and less in a depression over the north of Scandinavia and Lapland. Relatively low in a disturbance over the north of Poland, in an elongated system extending from Buda-Pesth to Brindisi, over the western part of the Mediterranean, and the south-west of Spain. Pressure becoming highest, 30·4 ins. and above, over the North Sea by evening. Polish depression dispersing, and that in the extreme north travelling north-eastwards.

Friday, 5th May, 1905.

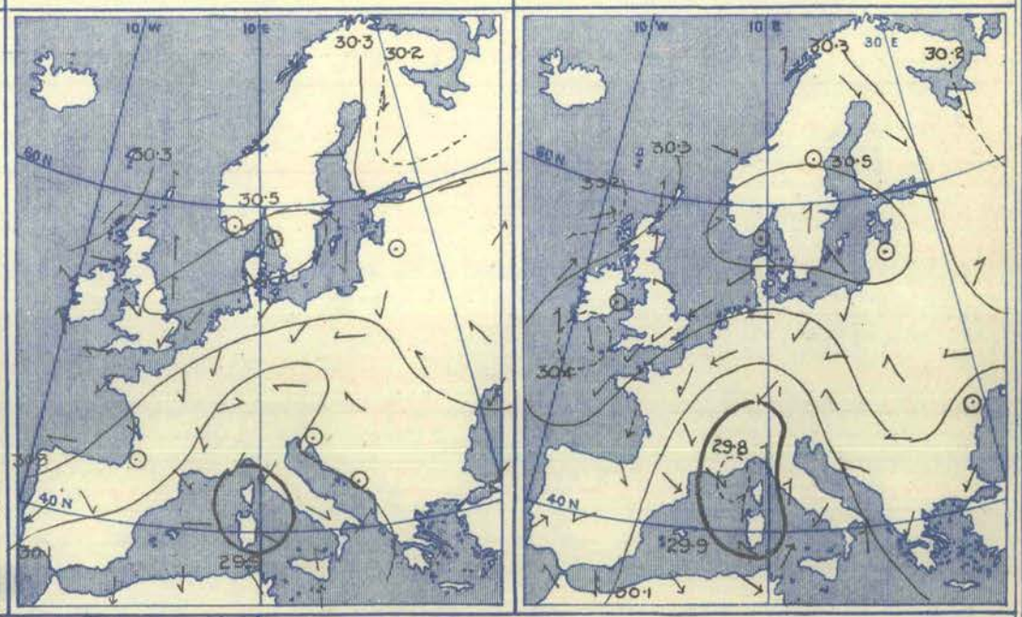
Temperature and Weather. 8 a.m.



Weather at 8 a.m. rainy at Athens, Palma, some stations in central and southern France, at Breslau, and in Finland. Fair or fine over the major portion of our area. Very heavy rain later in the south of France and north of Italy—a thunderstorm and hail occurring at Biarritz. Largest amounts, 2·8 ins. at Marseilles, about 1·9 in. at Toulouse and Turin, and 0·9 in. at Leghorn.

Temperature fallen except in central Europe and on our north and west coasts. Morning readings ranging from 72° at La Calle, 67° at Algiers, 66° at Patras, and 65° at Lesina, to 50° at Cape Sicié, 42° at Lyons, 40° at Madrid and North Shields, and to a little lower in the extreme north of Europe. Rising later to 60° or a trifle higher at some British stations, to 70° or above in most parts of central and southern Europe, and to above 80° in Tunisia. Highest value, 91° at Tunis. Thermometer remaining below 50° on our own east coast, at Lyons, and Croisette, and only touching that figure at Marseilles. Sharp frost at Nottingham during night.

Barometer and Wind. 8 a.m. and 6 p.m.

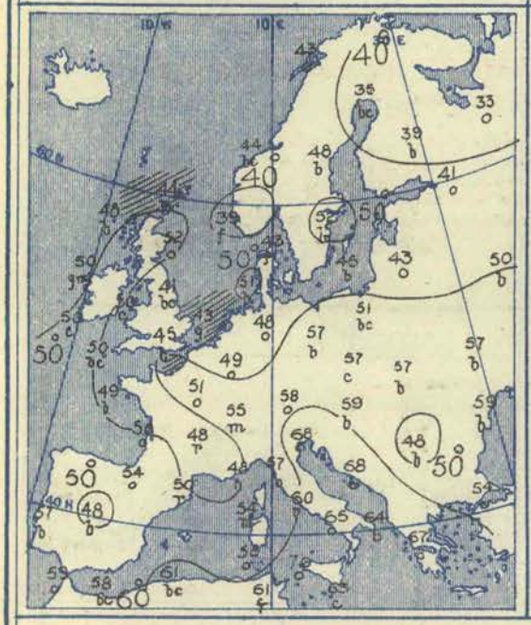


Wind in morning anticyclonic over the United Kingdom and Scandinavia; cyclonic in other parts of our area. Blowing freshly or strongly from various directions at some Mediterranean stations, and freshly from North-East over the Netherlands and the south-east of England. No change of a general character occurring later; increasing in strength from the South-Westward on our north-west coasts.

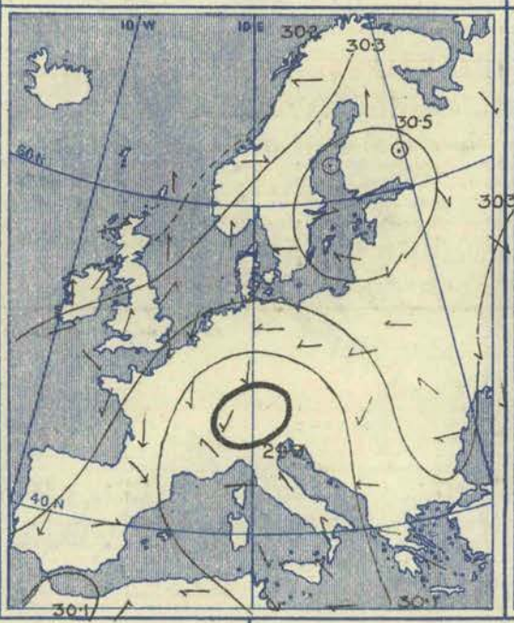
Barometer at 8 a.m. highest, 30·5 ins. and upwards in an anticyclone having its central space over the North Sea, Denmark, and the south of Sweden. Lowest, 29·9 ins. and less in a depression covering Corsica, Sardinia, and their vicinity. Latter system expanding northwards during day and anticyclone moving eastwards. Pressure giving way slowly in nearly all parts of Great Britain and the north of Ireland.

Saturday, 6th May, 1905.

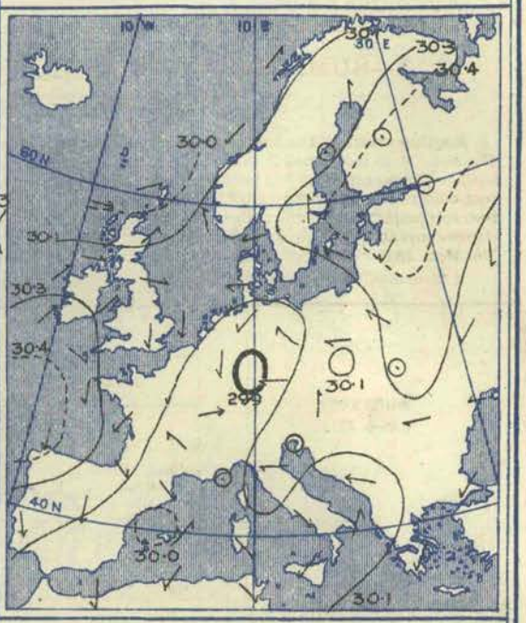
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine generally, but very cloudy or overcast over the greater part of France and Italy and the north-east of Spain, with rain in several places. Fog prevailing over the Skager Rack and the south of Norway. Some rain falling later on our west and north coasts, and larger quantities over France, the north of Italy, and the north of Denmark. Largest amounts, 1·6 in. at La Coubre and Marseilles, and 2·0 ins. at Gap. A thunderstorm experienced at Nancy.

Temperature risen generally except in the south. Morning readings ranging from 70° at Palermo, 68° at Trieste and Lesina, 67° at Patras, and 62° at Frankfurt, to below 50° in many parts of France and England, and at Madrid, and to below 40° in the south of Norway and the north of Sweden, Finland, and Russia. Maxima during day about 65° in the south of England, but only 54° at Paris and Perpignan and 50° at Croisette. Thermometer rising to above 70° over central Europe and in the extreme south and to 82° at Sfax.

Wind at 8 a.m. showing two main circulations—an anticyclonic movement over the north of Europe and a cyclonic over the central countries and France. Moderate as a whole, but North-Easterly current fresh or strong over our south-east coasts and Normandy, and that from North-West blowing a slight gale at Biarritz and Barcelona. Some decrease in force taking place later except over the Bay of Biscay, and Westerly wind becoming rather more pronounced over the north of our Islands.

Barometer in morning ranging from above 30·5 ins. in a large anticyclone centred over the Baltic and the Gulfs of Finland and Bothnia to below 29·9 ins. in a well-marked depression having its centre over Switzerland. Relatively low over the south of Spain and off our north-west coasts. Not much change taking place in the general distribution, but both high and low pressure systems travelling further to the eastward.

IV.—GENERAL NOTES.

Barometric pressure was generally highest over Russia and relatively high over the Spanish Peninsula until late in the week when an anticyclone travelled eastwards from the Atlantic across the United Kingdom and the North Sea to Scandinavia and Finland. The chief depressions were found over our Islands and the western portion of the Mediterranean. Over the former region a deep and well defined system travelled slowly north-eastward from the south-west of Ireland at the beginning of the week and subsequently reached Norway. During its passage over this country it caused very strong winds or gales from the South-Westward on nearly all our more southern coasts and the Bay of Biscay, but it afterwards became much less deep and the surrounding winds of little force. The southern depressions appeared later; they were never very deep and only occasioned a serious increase of wind in a few localities. As one of the disturbances spread northwards over France, however, it caused exceedingly heavy falls of rain in the south of that country and the Italian Lake region and equally heavy falls of snow at some Swiss stations. Temperature became much higher than of late over central Europe and Russia. Maxima above 70° occurred almost daily throughout Austria, and on Wednesday the thermometer rose to 75° at St. Petersburg.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 104.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	26·9	-11·1	25	- 10
STRATHPEFFER SPA	27·1	- 9·5	25	- 9
CRATHES	29·7	—	28	—
BALRUDDERY	25·0	—	23	—
EDINBURGH	22·3	-11·6	21	- 11
COCKLE PARK	36·5	—	34	—
NEWCASTLE-on-TYNE	23·3	—	22	—
SALTBURN-by-the-SEA	47·3	—	45	—
YORK	43·3	+ 6·0	41	+ 6
SKEGNESS	49·2	—	47	—
CROMER	40·6	—	39	—
LOWESTOFT	51·5	—	50	—
DUNMOW	55·6	—	54	—
SHEFFIELD	30·9	—	29	—
WORKSOP	33·2	- 2·1	32	- 2
MARGATE	—	—	—	—
BROADSTAIRS	50·5	—	49	—
RAMSGATE	49·5	—	48	—
EASTBOURNE	52·5	+ 5·7	51	+ 6
BRIGHTON	58·1	+ 12·7	56	+ 12
WORTHING	59·3	—	58	—
BOGNOR	60·1	—	58	—
VENTNOR HOSPITAL	58·1	+ 10·0	56	+ 10
BOURNEMOUTH	59·9	—	58	—
MARLBOROUGH	42·0	+ 3·3	41	+ 3
SOUTHPORT	40·9	—	39	—
RHYL	44 5	—	42	—
ABERDOVEY	43·0	—	41	—
TENBY	50·8	+ 3·4	49	+ 3
TORQUAY	50·8	+ 4·3	49	+ 4
NEWQUAY	51·5	+ 6·0	50	+ 6
GUERNSEY	52·5	- 0·5	52	- 1

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 14, page 80	Birmingham	—	—	—	—	—	—	—	—	—	0·7	+0·27	—	—	—	—
,, 15, ,, 86	Douglas	—	—	—	35·8	41·9	-3·0	19	24	—	—	—	—	—	—	—
,, ,, ,, ,,	Liverpool	—	—	—	—	—	—	—	—	—	0·17	-0·19	—	—	—	—
,, 16 ,, 96	York	—	—	—	—	—	—	—	—	—	—	—	? 9·3	-23·2	9	- 23

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 19. NINETEENTH WEEK, ENDING SATURDAY, MAY 13TH, 1905. *[Price 6d. Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 110.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	60	35	52·6	41·2	46·6	0 (average)	36	− 4	2	− 6	230	−61	463	− 72
	1. SCOTLAND, EAST	67	35	58·2	41·3	49·2	2 above	53	+ 4	2	− 5	336	−37	497	− 96
	2. ENGLAND, N.E.	68	31	58·6	42·1	49·9	2 above	55	+ 7	0	− 4	411	+34	372	−120
	3. ENGLAND, EAST	71	30	60·6	40·3	49·9	1 above	62	+ 1	5	0	462	−12	346	−192
	4. MIDLAND COUNTIES	69	30	60·1	39·9	49·4	0 (average)	61	− 1	6	+ 1	494	−12	388	−156
	5. ENGLAND, SOUTH	72	32	61·8	42·2	51·4	1 above	66	− 3	0	− 2	507	−38	264	−138
Principal Grazing Districts.	6. SCOTLAND, WEST	65	31	57·0	42·2	49·2	1 above	50	− 4	0	− 5	395	− 9	313	−108
	7. ENGLAND, N.W.	64	33	55·9	43·2	49·2	0 (average)	50	− 6	0	− 3	427*	+ 2	273	−128
	8. ENGLAND, S.W.	67	26	58·9	40·6	49·2	1 below	56	− 6	4	+ 3	513	−34	218	− 88
	9. IRELAND, NORTH	64	35	55·6	43·2	49·1	0 (average)	50	− 5	0	− 3	452	−31	271	− 78
	10. IRELAND SOUTH	68	35	59·4	43·9	51·2	1 above	64	+ 1	0	− 1	603*	− 5	166	− 91
	— CHANNEL ISLANDS	63	41	58·1	46·6	52·0	0 (average)	70	0	0	0	730	+61	55	− 65

Rainfall.

	DISTRICTS. (See p. 110.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	8	2 more	110	+27	21·3	+ 5·5
	1. SCOTLAND, EAST	3	1	4 less	82	+12	8·9	− 1·1
	2. ENGLAND, N.E.	1	less than half	4 less	63	− 3	5·3	− 2·3
	3. ENGLAND, EAST	1	1	3 less	69	+ 2	6·2	− 1·1
	4. MIDLAND COUNTIES	1	1	4 less	70	+ 7	7·1	− 1·5
	5. ENGLAND, SOUTH	0	less than half	4 less	68	+ 5	8·5	− 0·6
Principal Grazing Districts.	6. SCOTLAND, WEST	2	3	3 less	87	+15	16·8	− 0·3
	7. ENGLAND, N.W.	1	1	4 less	79	+11	10·4*	− 0·1
	8. ENGLAND, S.W.	1	less than half	5 less	74	+ 4	12·0	− 0·8
	9. IRELAND, NORTH	2	1	4 less	95	+13	12·7	+ 1·1
	10. IRELAND, SOUTH	1	1	5 less	90	+15	13·9*	− 0·2
	— CHANNEL ISLANDS	0	—	4 less	83	+ 8	10·8	− 0·2

Bright Sunshine.

	DISTRICTS. (See p. 110.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	36	− 1	32	− 1	338	− 51	23	− 4
	1. SCOTLAND, EAST	44	+ 3	39	+ 3	410	− 44	28	− 3
	2. ENGLAND, N.E.	45	− 2	41	− 2	462	− 23	31	− 2
	3. ENGLAND, EAST	59	+10	55	+ 9	529	+ 23	35	+ 2
	4. MIDLAND COUNTIES	45	+12	42	+11	429	+ 5	29	0
	5. ENGLAND, SOUTH	65	+19	61	+18	505*	+ 8	34	+ 1
Principal Grazing Districts.	6. SCOTLAND, WEST	49	+ 8	45	+ 7	452	+ 13	30	+ 1
	7. ENGLAND, N.W.	55	+16	51	+14	456*	+ 55	31	+ 4
	8. ENGLAND, S.W.	63	+17	60	+16	477	− 29	32	− 2
	9. IRELAND, NORTH	47	+ 6	43	+ 6	464	+ 30	31	+ 2
	10. IRELAND, SOUTH	54	+ 9	50	+ 9	451	− 42	30	− 3
	— CHANNEL ISLANDS	76	+22	72	+21	538	− 55	36	− 4

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was mostly fair and dry, the only rainfall of anything like a general character being that which occurred in the western and northern districts on the 10th.

Temperature agreed very closely with the average in most districts, but showed a rather decided excess in Scotland E. and England N.E. The highest readings were observed, as a rule, on the 10th, but in some places they occurred either on the first or last day of the week. The absolute maxima ranged from 72° in England S. and 71° in England E. to 63° in the Channel Islands and to 60° in Scotland N. The lowest readings, which occurred at times varying greatly in different places, ranged from 26° in England S.W. (at Llangammarch Wells) and 30° in England E. and the Midland Counties to 35° in Ireland and the north and east of Scotland, and to 41° in the Channel Islands.

Rainfall was considerably less than the mean over the United Kingdom generally, but exceeded it slightly in Scotland N., where a measurable quantity was recorded nearly every day. In England N.E., S., and S.W. the total amount was almost inappreciable, while in the Channel Islands there was none at all.

Bright Sunshine differed but little from the average in Scotland N. and E. and England N.E., but showed an excess in all other districts; over Wales and the west and south of England the excess was large. The percentage of the possible duration ranged from 72 in the Channel Islands, 61 in England S. and 60 in England S.W. to 40 in Scotland E. and to 32 in Scotland N.

Barometer and Wind. At the beginning of the week a large anticyclone extended gradually from the Atlantic over the whole of western Europe. During its advance the wind in these Islands, which had previously been from the Westward, veered to the North-Westward or Northward, but on Tuesday and Wednesday when the central portion of the anticyclone moved in an east-south-easterly direction across our southern districts, a general backing to South-West occurred. The withdrawal of the high pressure system was followed by the passage north-eastward outside the Irish and Scotch coasts of a large, but somewhat shallow, depression, and at our extreme north-western stations the wind on Wednesday increased to the force of a slight gale. In the rear of this disturbance another anticyclone came in from the Atlantic, the central portion of the new system being situated over Ireland at the close of the week. With the arrival of this area the wind again veered to the North-Westward in the north and to the Northward or North-Eastward over all the more southern parts of the Kingdom.

3644 Wy. & S. Ltd.
370 5 | 05

II.—DATA from which the SUMMARY on page 109 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
May 7-13, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
O. SCOTLAND, N.	Sumburgh Head	50	37	48·9	41·1	44·8	+ 0·6	23	3	7	0·58	+ 0·16	*	*	*	*
	Stornoway	54	36	52·3	41·3	46·5	+ 0·4	34	2	6	0·73	+ 0·17	41·4	- 0·1	37	0
	Wick §	60	35	56·3	40·3	47·8	+ 1·5	48	5	5	0·19	- 0·21	*	*	*	*
	Lairg §												*	*	*	*
	Glencarron §	52	38	50·5	41·1	45·5	- 1·2	28	3	7	1·90	+ 0·85	*	*	*	*
	Fort Augustus §	60	37	55·1	42·3	48·3	+ 0·3	44	0	3	0·45	- 0·01	27·9	- 1·6	25	- 1
1. SCOTLAND, E.	Nairn	63	37	58·0	40·7	48·8	+ 0·9	53	4	5	0·18	- 0·18	*	*	*	*
	Aberdeen	64	37	58·1	43·6	50·4	+ 3·3	59	0	3	0·08	- 0·38	44·3	+ 2·5	40	+ 2
	Braemar §	60	35	54·3	38·9	46·1	+ 1·6	42	9	6	0·09	- 0·41	*	*	*	*
	Clathick §	66	36	58·9	39·1	48·4	- 0·1	57	8	2	0·10	- 0·43	*	*	*	*
	Leith	67	41	62·0	44·4	52·7	+ 4·0	75	0	2	0·02	- 0·34	*	*	*	*
	Marchmont §	64	36	57·7	41·0	48·9	+ 2·3	53	3	0	0·00	- 0·53	42·2	+ 2·0	38	+ 2
2. ENGLAND, N.E	Alnwick Castle	62	33	59·0	42·9	50·5	+ 3·9	60	0	0	0·00	- 0·46	*	*	*	*
	Durham	63	31	58·5	41·6	49·5	+ 1·9	54	1	0	0·00	- 0·44	36·6	- 0·9	34	- 1
	Shields	63	37	56·7	41·3	48·5	+ 1·3	48	2	1	0·02	- 0·34	*	*	*	*
	Scarborough M	66	40	59·0	43·8	50·9	+ 2·8	62	0	1	0·02	- 0·42	50·3	—	46	—
	Spurn Head	68	40	57·4	44·4	50·5	+ 2·1	60	0	2	0·15	- 0·20	*	*	*	*
	Lincoln	68	36	60·5	40·4	49·9	+ 0·3	62	4	1	0·02	- 0·38	*	*	*	*
	Fulbeck	62	34	59·2	40·3	49·2	- 0·3	58	5	2	0·08	- 0·34	51·6	—	48	—
3. ENGLAND, E.	Hillington M	71	32	61·0	38·8	49·2	- 0·3	64	9	2	0·15	- 0·25	54·5	+ 9·5	51	+ 9
	Yarmouth	68	37	57·9	43·3	50·2	+ 1·6	57	0	1	0·07	- 0·33	*	*	*	*
	Geldeston	70	33	61·7	38·8	49·6	+ 0·3	67	9	2	0·09	- 0·29	58·9	+ 10·6	55	+ 10
	Cambridge	69	30	62·0	37·5	49·0	- 1·7	68	13	2	0·04	- 0·36	49·4	+ 5·0	46	+ 5
	Felixstowe	66	33	59·5	41·0	49·7	+ 1·0	58	3	1	0·07	—	65·8	—	62	—
	Clacton-on-Sea	68	35	59·7	41·9	50·3	+ 1·3	59	0	1	0·04	—	63·4	—	60	—
	Rothamsted	69	31	61·3	38·4	49·2	- 0·3	66	10	1	0·03	- 0·42	56·9	+ 14·0	54	+ 13
	Shoeburyness	68	36	61·6	42·9	51·7	+ 2·6	68	0	1	0·06	- 0·24	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	63	36	59·8	40·7	49·7	+ 2·2	59	4	1	0·01	- 0·42	41·6	—	38	—
	Bawtry (Hesley Hall)	69	34	61·3	41·0	50·5	+ 0·9	64	3	0	0·00	- 0·43	*	*	*	*
	Nottingham	66	35	60·4	40·4	49·8	- 0·2	61	4	1	0·06	- 0·40	37·3	—	35	—
	Colly Weston (Stamford)	66	34	61·3	40·1	50·1	0·0	65	5	2	0·09	- 0·34	*	*	*	*
	Cheadle M	63	36	57·1	39·8	47·9	- 0·3	51	6	3	0·10	- 0·40	*	*	*	*
	Birmingham (Edgbaston)	66	38	58·6	41·7	49·6	+ 0·5	54	1	1	0·09	- 0·41	26·8	—	25	—
	Shrewsbury	65	32	60·2	38·7	48·8	- 1·0	61	9	3	0·22	—	*	*	*	*
	Hereford M	64	32	61·2	37·4	48·6	- 1·9	66	13	2	0·06	- 0·40	*	*	*	*
	Cirencester	64	30	59·1	38·0	47·9	- 1·4	58	11	1	0·02	- 0·44	63·3	+ 18·7	60	+ 18
	Oxford	66	37	61·7	41·0	50·7	0·0	65	3	0	0·00	- 0·49	57·5	+ 14·8	54	+ 14
	Westminster	69	42	63·7	44·3	53·4	+ 1·4	80	0	0	0·00	—	55·9	+ 20·9	53	+ 20
5. ENGLAND, S.	London (Brixton)	70	37	64·7	41·4	52·4	+ 0·4	75	2	0	0·00	- 0·38	56·2‡	+ 16·9‡	53‡	+ 16‡
	Wisley (Surrey)	68	33	63·2	40·4	51·1	- 0·9	70	4	0	0·00	—	63·1	—	60	—
	Swarraton (Alresford) M	66	32	61·7	37·9	49·1	0·0	67	11	0	0·00	- 0·44	*	*	*	*
	Tunbridge Wells M	70	35	64·2	41·7	52·3	+ 2·1	73	1	1	0·07	—	69·0	—	65	—
	Dungeness	60	36	56·7	42·1	49·0	- 1·4	49	0	2	0·12	- 0·18	*	*	*	*
	Hastings (St. Leonards)	63	39	59·5	44·4	51·5	+ 0·9	67	0	1	0·25	- 0·12	65·6	+ 14·6	63	+ 14
	Southampton	72	40	67·0	44·5	55·1	+ 3·1	92	0	0	0·00	- 0·42	75·5	+ 27·9	71	+ 26
	Portland Bill	64	42	58·9	45·6	51·9	+ 1·0	69	0	0	0·00	—	*	*	*	*
	Shaftesbury M	63	39	60·3	41·7	50·4	+ 0·9	60	1	0	0·00	- 0·49	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	55	40	53·8	43·9	48·6	- 0·4	46	0	5	1·14	+ 0·30	*	*	*	*
	Glasgow	59	40	55·4	43·6	49·2	+ 0·7	50	0	2	0·17	- 0·36	43·7	+ 7·4	40	+ 7
	Cally §	65	31	61·4	39·8	50·0	+ 1·2	65	6	1	0·05	- 0·59	*	*	*	*
	Aspatria	62	37	57·8	41·7	49·3	+ 1·4	52	1	1	0·18	—	45·7	—	42	—
	Douglas (Isle of Man)	60	36	56·4	42·2	48·9	+ 0·2	48	0	1	0·01	- 0·49	58·9	+ 9·1	54	+ 8
7. ENGLAND, N.W.	Newton Rigg	62	33	56·9	40·9	48·4	+ 1·4	49	3	2	0·03	—	46·6	—	43	—
	Stonyhurst	59	37	55·9	41·9	48·5	- 0·3	46	0	1	0·22	- 0·38	55·6	+ 13·3	52	+ 12
	Blackpool M	57	40	53·4	44·4	48·6	- 0·9	46	0	1	0·12	- 0·33	60·2	+ 17·2	56	+ 16
	Manchester (Prestwich)	64	35	58·6	39·9	48·7	- 0·2	56	6	2	0·04	- 0·47	46·7	—	43	—
	Liverpool Obsy. (Bidston)	62	42	55·0	46·0	50·2	- 0·1	57	0	2	0·05	- 0·37	60·6	—	56	—
	Chester (Hawarden Bridge)	64	40	55·9	43·7	49·4	- 1·5	52	0	1	0·03	—	*	*	*	*
	Llandudno M	60	41	56·6	45·3	50·6	+ 0·3	60	0	1	0·04	- 0·36	59·6	+ 15·9	55	+ 15
	Holyhead	57	41	54·1	45·4	49·5	- 0·5	53	0	1	0·08	- 0·34	*	*	*	*
	Bettws-y-Coed	60	33	57·1	41·1	48·6	- 1·3	50	3	2	0·10	—	50·0	—	46	—
8. ENGLAND, S.W.	Llangammarch Wells	61	26	57·9	35·1	45·8	- 2·5	56	19	2	0·07	—	55·3	—	52	—
	Pembroke	57	42	54·6	44·1	49·0	- 0·4	49	0	2	0·28	- 0·16	70·2	+ 21·0	66	+ 20
	Cardiff	62	32	59·9	37·1	47·8	- 3·0	61	14	0	0·00	—	*	*	*	*
	Clifton	62	39	61·3	42·5	51·3	+ 0·8	65	0	0	0·00	- 0·52	*	*	*	*
	Bath	63	37	61·1	40·6	50·2	- 0·7	63	4	0	0·00	- 0·45	62·0	—	59	—
	Arlington (N. Devon)	59	34	57·0	39·3	47·6	- 1·5	51	8	1	0·04	- 0·60	*	*	*	*
	Cullompton M	67	35	63·1	39·2	50·4	- 0·6	71	8	0	0·00	- 0·48	58·5	+ 14·8	56	+ 14
	Falmouth	59	42	56·4	44·8	50·3	- 0·7	58	0	0	0·01 ‖	- 0·56	64·8	+ 14·0	62	+ 13
	Plymouth	62	40	59·1	42·4	50·3	- 1·8	58	0	0	0·00	- 0·46	67·7	+ 20·3	65	+ 19
9. IRELAND, N.	Malin Head	55	39	52·7	42·3	47·2	- 1·6	36	9	3	0·14	- 0·32	*	*	*	*
	Edenfel (Omagh)	63	40	56·6	43·3	49·6	+ 1·3	53	0	2	0·23	- 0·32	*	*	*	*
	Blacksod Point	55	42	53·7	45·4	49·3	- 0·7	51	0	3	0·17	- 0·47	*	*	*	*
	Markree Castle	61	35	55·7	42·3	48·6	- 0·2	46	0	2	0·07	- 0·49	43·2	+ 2·3	40	+ 2
	Armagh	64	38	59·8	43·0	50·9	+ 1·9	62	0	1	0·03	- 0·44	50·1	+ 10·1	46	+ 9
	Donaghadee	61	38	55·3	43·0	48·8	- 0·4	48	0	2	0·03	- 0·45	*	*	*	*
10. IRELAND, S.	Dublin	65	40	60·5	44·7	52·1	+ 1·1	71	0	1	0·03	- 0·41	50·7	+ 4·4	47	+ 4
	Birr Castle	64	36	60·0	41·3	50·1	+ 0·3	69	2	1	0·04	- 0·46	46·9	+ 6·0	43	+ 6
	Kilkenny	63	35	59·9	43·7	51·3	+ 1·1	65	0	0	0·00	- 0·48	*	*	*	*
	Waterford	65	39	60·0	42·0	50·5	+ 0·4	60	0	1	0·07	- 0·47	*	*	*	*
	Roche's Point	60	43	58·0	46·7	52·0	+ 0·7	70	0	1	0·13	- 0·53	*	*	*	*
	Valencia	58	38	55·6	45·1	50·0	- 1·3	56	0	2	0·23	- 0·47	63·3	+ 16·9	60	+ 16
	Killarney	68	36	61·7	43·7	52·2	+ 1·5	71	0	2	0·08	- 0·62	*	*	*	*
	Foynes	68	37	59·3	44·0	51·2	+ 1·1	64	0	1	0·04	- 0·49	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	58	47	55·1	47·3	51·0	- 0·4	63	0	0	0·00	- 0·40	67·4	+ 15·6	64	+ 15
	Jersey (St. Aubyn's)	63	41	61·1	45·9	53·0	+ 0·7	77	0	0	0·00	- 0·44	80·1	+ 25·9	77	+ 25

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked § is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

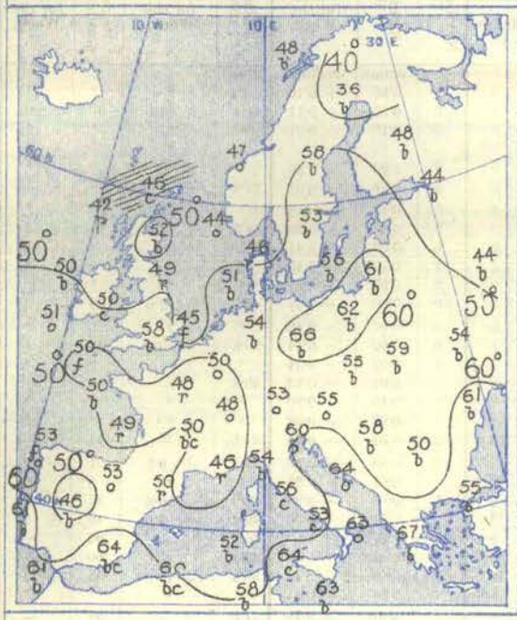
‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

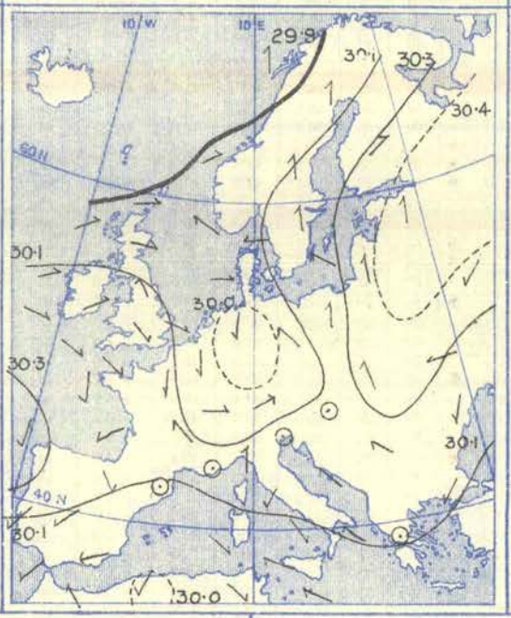
‖ Dew.

Sunday, 7th May, 1905.

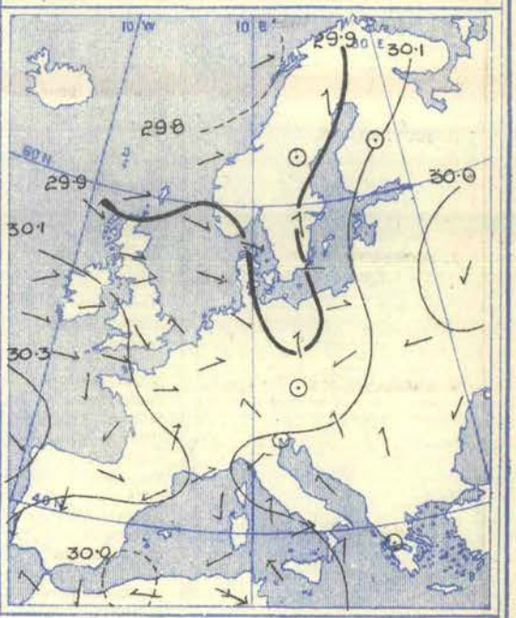
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in nearly all parts of the United Kingdom and the greater part of the Continent, but rain falling at North Shields and Liverpool, at several French stations, and also at Bilbao and Barcelona. Heavy rain falling later over France, Belgium, and the north of Spain—about an inch in several places and as much as 1·2 in. at Bilbao.

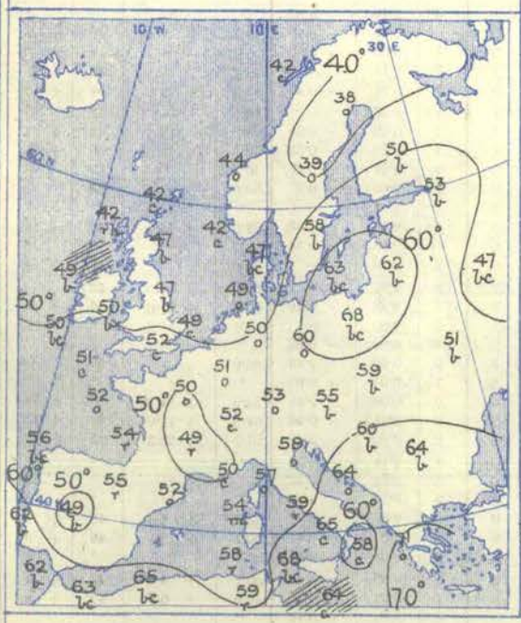
Temperature risen over our Islands, northern, and central Europe, fallen in most other localities. Morning values ranging from 67° at Athens, 66° at Berlin, 64° at Palermo and Palma, 61° at Lisbon, and 58° in London, to below 50° at Madrid, many French stations, and over the north of Europe. Rising subsequently to 69° in London, to above 70° in all the central and most southern regions, to 81° at Patras and Sfax, and to 82° at Berlin. Maxima at Paris and Biarritz only 52° and 55° respectively.

Wind at 8 a.m. South-Westerly, cyclonic, but of little strength, on our northern coasts and over Norway; a moderate cyclonic circulation also prevailing around Germany. Light or moderate anticyclonic breezes elsewhere. Separate cyclonic circulations setting in later over the Mediterranean—a fresh gale from North-West blowing at Tunis.

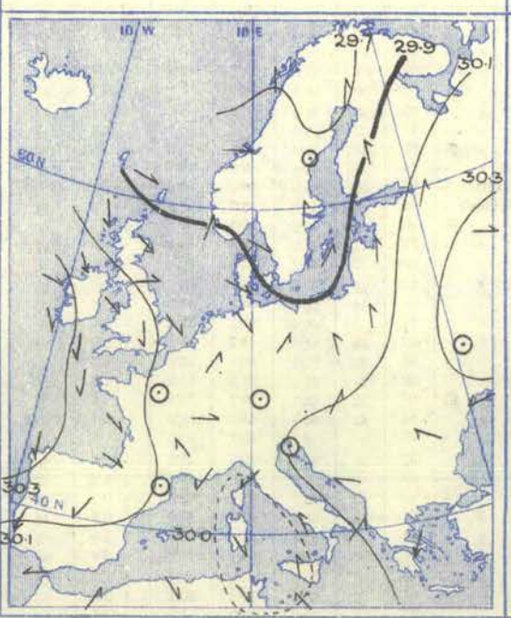
Barometer at 8 a.m. highest, 30·4 ins. and more over the northern half of Russia, and 30·2 ins. to above 30·3 ins. over the Bay of Biscay and its neighbourhood. Lowest, less than 30·0 ins. in the north-west of our area, over Algeria, and the western portion of Germany. German depression moving north-eastwards later and some feeble low pressure systems developing over the Mediterranean. Russian anticyclone travelling south-eastwards.

Monday, 8th May, 1905.

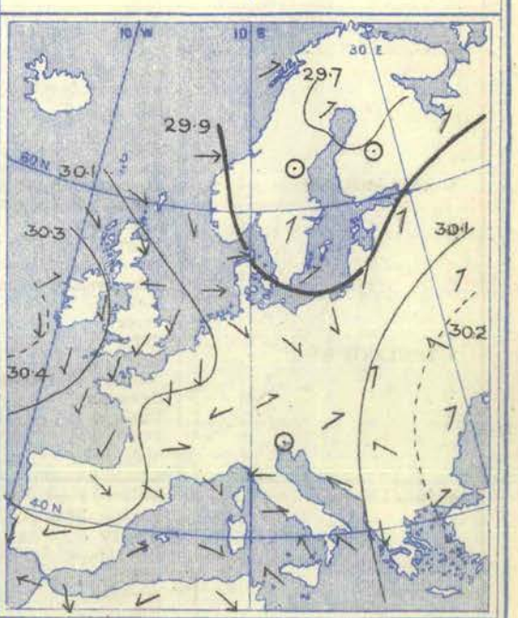
Temperature and Weather 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over our area generally, but cloudy or overcast over France, Italy, and the Netherlands, with rain in many places. Rain also falling at Dungeness, Bilbao, and La Calle. Heavy rain later in the north of Italy, on the northern shores of the Adriatic, at Buda-Pesth, and Breslau, and considerable amounts at St. Petersburg and at some French stations—heaviest measurement, 1·4 in. at Trieste.

Temperature fallen over our Islands, Denmark, and Norway, risen in most other regions. Morning readings highest, (1) 71° at Patras, 68° at Palermo, 65° at Algiers and Naples, (2) 68° at Neu-Fahrwasser, 62° at Riga, 60° at Berlin and Warsaw. Lowest, less than 40° in the north of Sweden, 42° in the Shetlands and Hebrides, 48° at Limoges, 49° at Lyons and Madrid. Rising subsequently to about 60° in some parts of Great Britain and France, to above 70° at St. Petersburg, over all the central regions of Europe, the Spanish Peninsula, and the south of Italy. Highest maxima, 82° at Sfax and 84° at Patras.

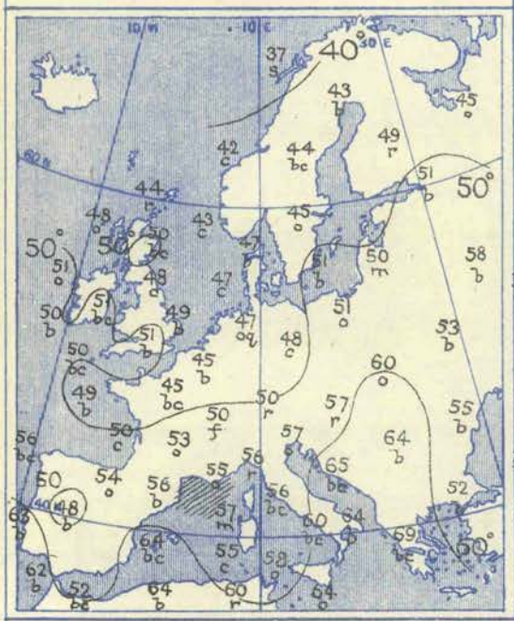
Wind at 8 a.m. light to fresh from between North-West and North over our Islands and their vicinity. Light cyclonic circulations prevailing over northern and southern Europe and an anticyclonic movement over the southern half of Russia. No general change later, but direction becoming more variable over the United Kingdom.

Barometer in morning ranging from above 30·3 ins. over Russia and off the west and south-west of Ireland to below 30·0 ins. in a shallow depression covering Corsica, Sardinia, and the greater part of Sicily, and to less than 29·7 ins. in another system centred over the north of Scandinavia. An anticyclone extending briskly over our Islands from the Atlantic during day, but Russian high pressure either giving way or receding south-eastwards.

Tuesday, 9th May, 1905.

Temperature and Weather.

8 a.m.

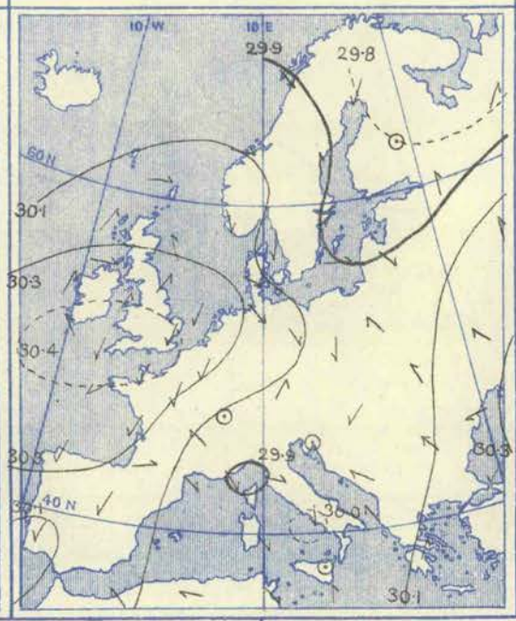


Weather at 8 a.m. fair or fine generally, but rainy in the Shetlands, several parts of Finland and central Europe, as well as at Leghorn and La Calle. Snow falling at Bodö. Considerable quantities of rain later in most localities in the central countries and in the north of Italy, as well as at Palermo, La Calle, and in the north of Russia.

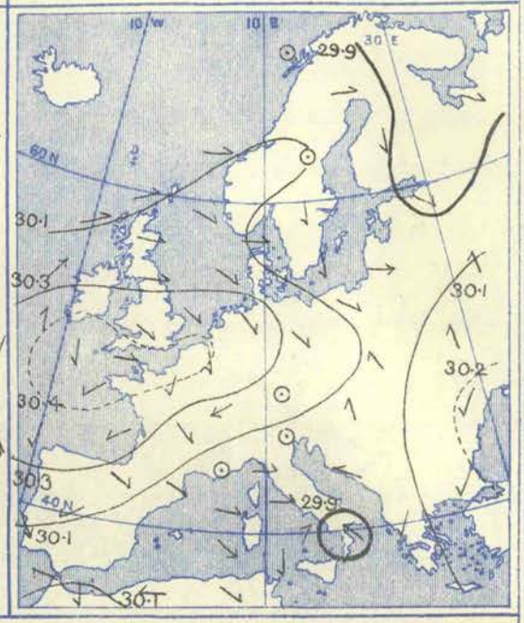
Temperature fallen in most places. Morning readings ranging from 60° at Athens and above 60° at several other southern stations and at Riga, to below 50° in most parts of France, the United Kingdom, Germany, Denmark, and Scandinavia, and to 37° at Bodö. Rising to 60° or above during day at some of our own stations and in various parts of France and Germany, and to above 70° over the more southern regions of our area. Highest values, 77° at Brindisi, Athens, and Lisbon, and 79° at San Fernando.

Barometer and Wind.

8 a.m.



6 p.m.



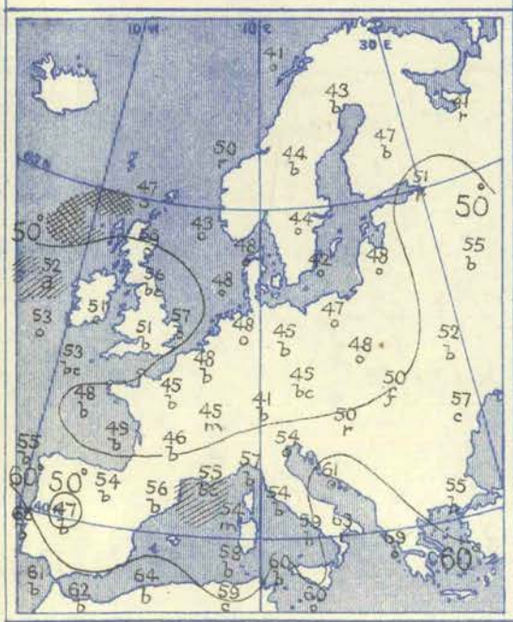
Wind in morning showing an anticyclonic circulation over the United Kingdom and its neighbourhood and cyclonic movements of little force both in the north and south of our area. Not much change during day as a whole, but Southerly wind in Ireland becoming rather more pronounced.

Barometer at 8 a.m. highest, 30·4 ins. and upwards in an anticyclone centred over the southern halves of Ireland and England and above 30·2 ins. over the southern half of Russia. Lowest, 29·8 ins. and less over the north of Russia and below 29·9 ins. over the Gulf of Genoa. Atlantic depressions occasioning a gentle fall of the barometer over our northern and north-western districts later and anticyclone receding slowly south-eastwards. A well-defined baric minimum appearing near St. Petersburg.

Wednesday, 10th May, 1905.

Temperature and Weather.

8 a.m.

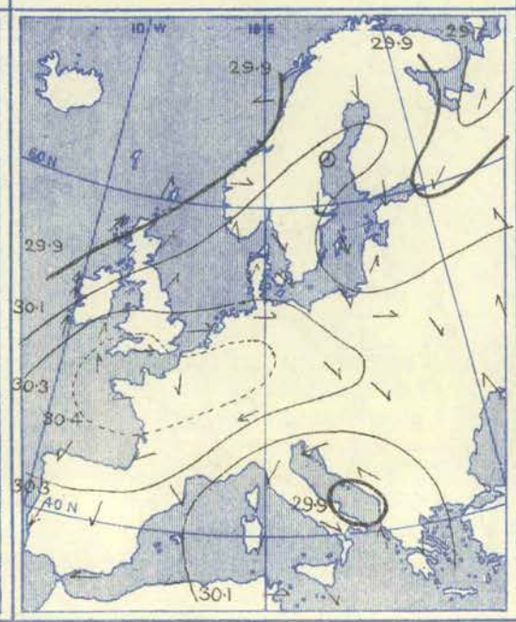


Weather at 8 a.m. varying a good deal. Fine and bright over England, France, most of central Europe, the Spanish Peninsula, and Algeria. Rainy on our extreme north-west coasts, over the north of Russia, at Buda-Pesth, and in several parts of Italy, and also in the west of Norway. Slight rain later in Ireland, Wales, and Scotland, and heavy falls at Lemberg, Pesaro, and Brindsi.

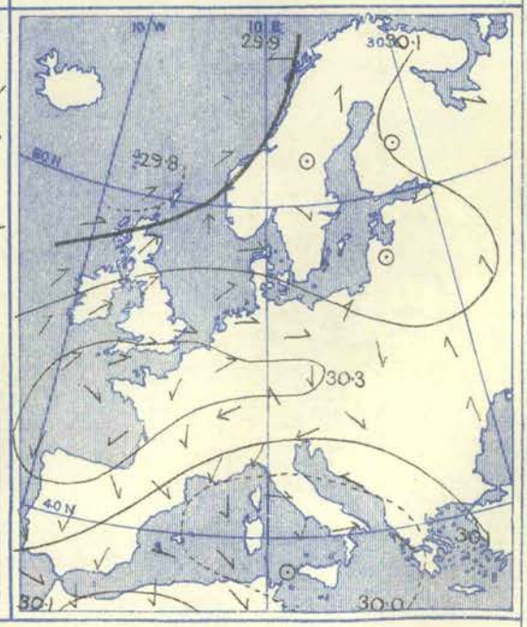
Temperature risen over the United Kingdom and Norway, fallen generally elsewhere. Morning readings, 69° at Patras, 66° at Oporto, and about 60° at a few other southern stations. Lowest, 41° or 42° in the extreme north and at Munich, 45° over the inland departments of France, and 47° at Madrid. Rising during day to 68° on the east coast of England, to 69° in London, and to 70° or above in the south of Europe and in Algeria. Maxima below 60° in many parts of Germany and Austria.

Barometer and Wind.

8 a.m.



6 p.m.



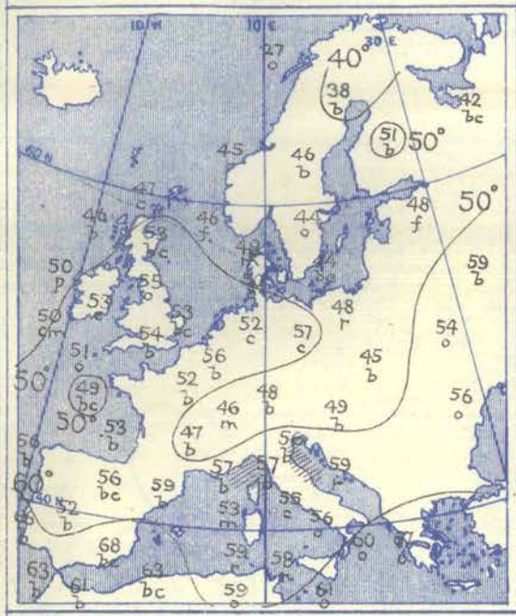
Wind at 8 a.m. anticyclonic and of little force over England, France, Germany, and the Bay of Biscay. Cyclonic elsewhere, a complete circulation prevailing over Italy and its vicinity. Southerly and South-Westerly winds strong to a slight gale on our most north-west coasts, and the North-Easterly current blowing very strongly over the northern part of the Adriatic. Gales subsiding on our extreme north-west coasts later. Little other change.

Barometer at 8 a.m. ranging from above 30·4 ins. in an anticyclone centred over the English Channel to below 29·9 ins. in a depression having its centre over the Adriatic and in a very large disturbance beyond our north-west coasts, and to below 29·7 ins. in a large system of a "V" shaped character with its minimum near Archangel. Russian disturbance entirely disappearing by 6 p.m. and that off our north-west coasts travelling slowly towards Scandinavia.

Thursday, 11th May, 1905.

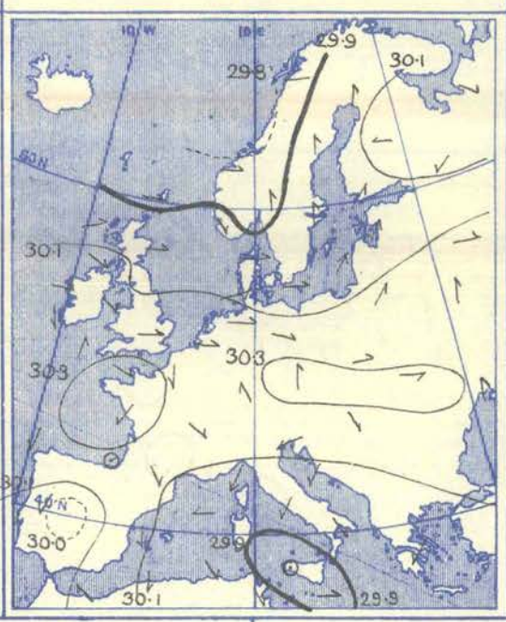
Temperature and Weather.

8 a.m.

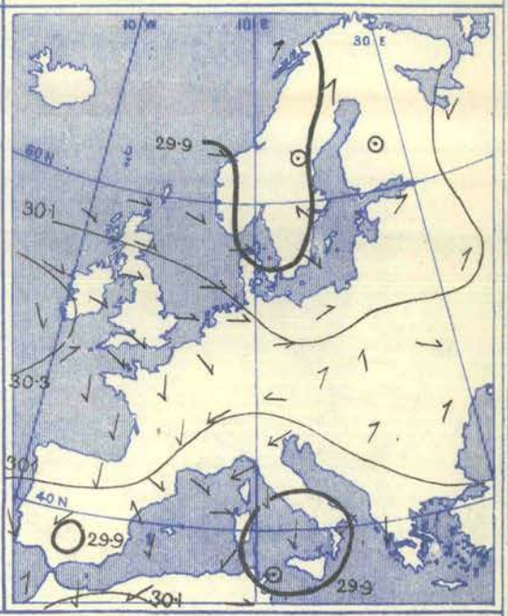


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. fair or fine in most places, but showery at a few stations in Ireland and England and rain falling at Christiansund, Helsingfors, on the North German coast, at Turin, Lesina, and Patras. A little rain later in a few parts of our Islands and heavy falls in Scandinavia and Italy.

Temperature changed irregularly. Morning readings highest, 67° at Patras and Palma, 66° in Portugal. Lowest, 38° at Haparanda, 44° at Stockholm Memel, and Riga, 45° at Cracow, Lemberg, and Limoges, and 46° in the Hebrides. Rising during day to 66° in London, 68° at Margate, to above 70° at a few German, Italian, and southern French stations, to 77° at Athens, and San Fernando, 79° at Madrid, and to 81° at Sfax.

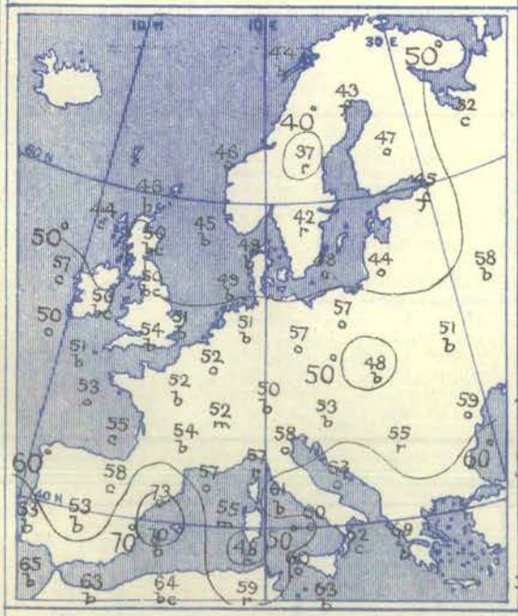
Wind at 8 a.m. mainly between West and South over the northern half of our area and light or moderate in force. Rather variable but chiefly cyclonic over the Mediterranean. Veering towards North or North-West over the major portion of our Islands by evening, but no great change taking place as a whole.

Barometer in morning highest, 30·2 ins. to 30·3 ins. in a large anticyclonic band with two separate maxima extending from the Atlantic to the south of Russia. Lowest, 29·8 ins. and less in a depression off the north-west of Norway and relatively low in two other minima—one over central Spain, and the other over Sicily. An anticyclone extending steadily over the United Kingdom from the Atlantic during day, but pressure giving way over France. A depression appearing over the south of Scandinavia.

Friday, 12th May, 1905.

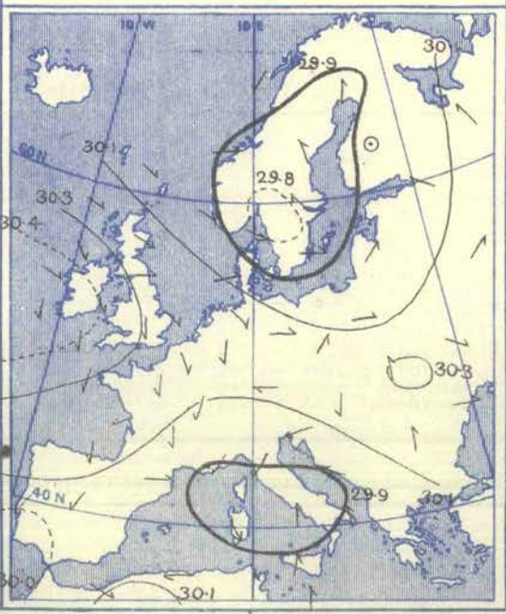
Temperature and Weather.

8 a.m.

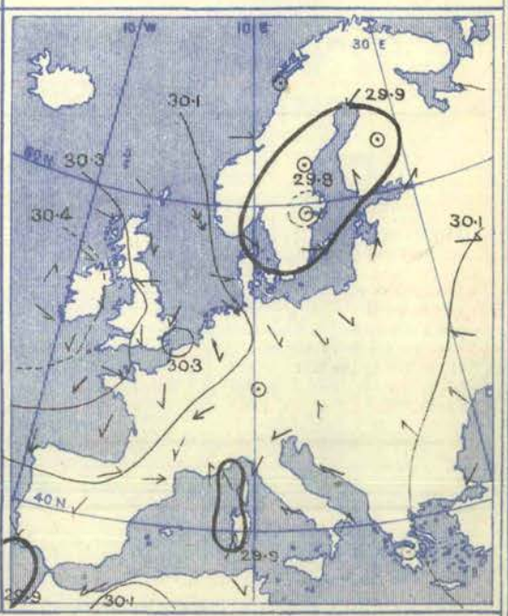


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. very unsettled, with rain in places, over Scandinavia and the Baltic and also over Italy and its neighbourhood; fair or fine in most other regions, but rainy at Hermanstadt. Rain later over Scandinavia and the north of Scotland, as well as in some parts of Germany and Italy—0·63 in. measured at Pesaro and 0·4 in. at Leghorn.

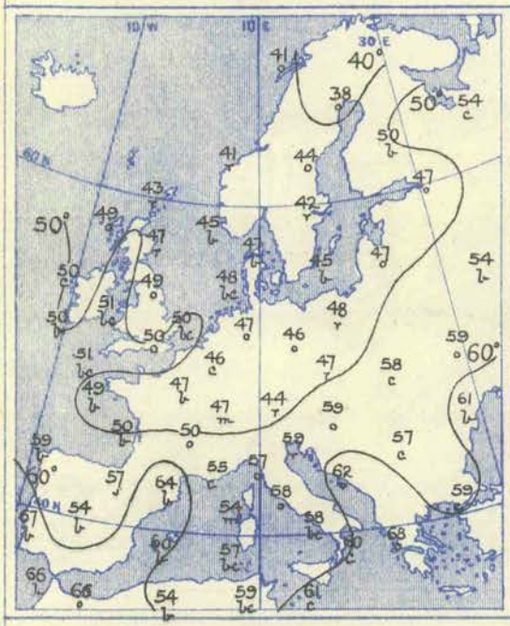
Temperature fallen at most British stations, risen over our area generally. Morning readings highest, 73° at Barcelona, 69° at Patras, 67° at Oporto, 64° at Algiers, and 63° at Malta and Lesina. Lowest, 37° at Hernösand, 42° at Stockholm, below 50° in many parts of our Islands, 51° at Limoges, and 53° at Madrid. Rising during day to 62° at Bournemouth, Eastbourne and Leith, and 63° at Portland and Brighton, exceeding 70° in many parts of France, and over southern Europe generally. Highest maxima recorded, 79° at Sfax and 80° at Patras.

Wind at 8 a.m. showing two cyclonic circulations moderate to strong in force—one over northern and the other over southern Europe. Moderate North-Westerly to Northerly and North-Easterly breezes prevailing over the United Kingdom. No great change taking place during day, but Northerly wind increasing to a fresh gale at Skudesnaes.

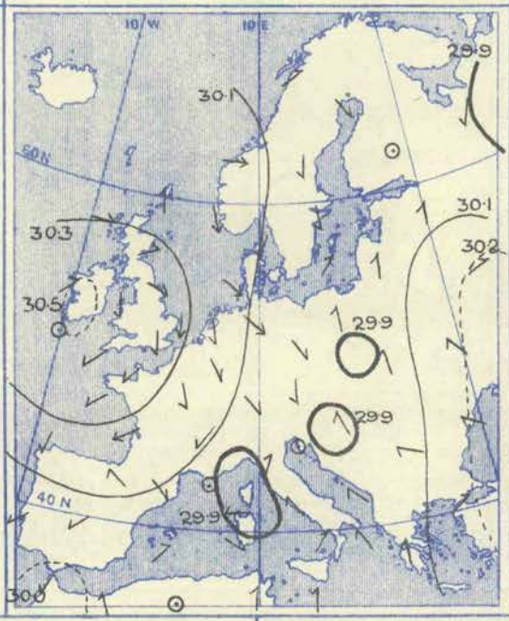
Barometer in morning ranging from above 30·4 ins. in the central space of an anticyclone extending from the Atlantic to the Irish Sea and 30·2 ins. and upwards in a band of relatively high pressure stretching from central Europe to the south of Russia, to below 29·9 ins. in a depression covering Corsica, Sardinia, and the greater part of Italy, and to less than 29·8 ins. in a disturbance centred over the south of Sweden. Depression over southern Europe spreading northwards later, that over Sweden passing slowly to the eastwards.

Saturday, 13th May, 1905.

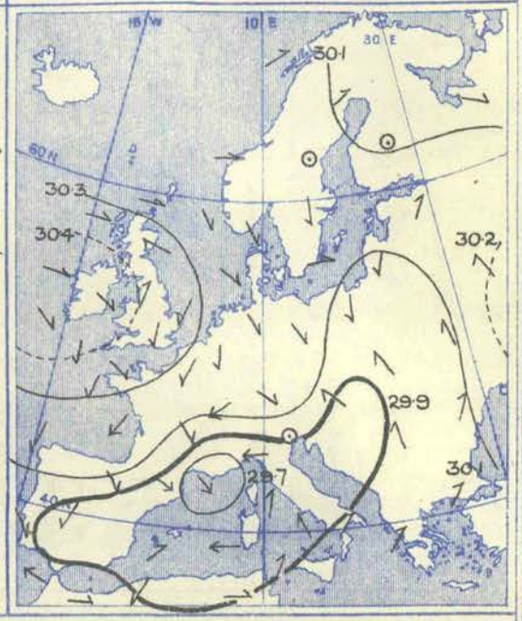
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair and dry in most places, but rain falling in the north of Scotland, at Christiansund, and at Munich, Breslau, and Stockholm. Rain later over the Shetlands and at Spurn Head, as well as over the Baltic, and at many of the southern European stations. Largest amounts measured, 0·91 in. at Naples and Nice, 0·79 in. at Rome.

Temperature fallen slightly over north-western Europe, risen a little at many of the Continental stations. Morning readings ranging from 68° at Patras and Oporto, 67° at Lisbon, 66° at Palma and San Fernando to below 50° at many French and English stations, and to below 40° over Finland. Rising subsequently to 67° at Leith, 64° at Portland, and 62° at Bath and Parsonstown. Exceeding 70° at many Mediterranean stations, and touching 81° at Madrid, Lisbon, and Sfax.

Wind light from the Westward over the northern parts of our Islands, Southerly over eastern Europe, Northerly to North-Easterly elsewhere, blowing freshly on the eastern shores of the North Sea, as well as at Yarmouth and Pembroke. No material change later beyond a freshening of the Northerly wind in the south of France.

Barometer highest, 30·5 ins. and upwards in the central area of an anticyclone over Ireland, and 30·2 ins. and upwards in another high pressure over southern Russia and the Black Sea. Lowest, 29·9 ins. and less in a shallow system over northern Russia, and 30·0 ins. and less in an irregularly formed disturbance, with three distinct minima, stretching from the Mediterranean to Italy, Austria-Hungary, and Poland. Southern disturbance growing deeper later, no change of importance elsewhere.

IV.—GENERAL NOTES.

The distribution of atmospheric pressure during the period was of a well-defined character, anticyclonic systems prevailing over the United Kingdom and western Europe, and also over the more eastern and south-eastern parts of the Continent, while cyclonic areas were found over or in the neighbourhood of Scandinavia, and over Italy and the western Mediterranean region. Under these conditions the winds varied considerably in direction, but as a general rule the force was light to moderate both at our home and at the foreign stations. A moderate or fresh Southerly or South-Westerly gale was, however, felt at a few of our north-western coast stations and a moderate easterly gale on the upper part of the Adriatic on Wednesday, and a fresh North-Westerly gale on the south-west coast of Norway on Friday. Strong North-Westerly winds were setting in on the Gulf of Lyons on Saturday evening, accompanied by a decided fall of the barometer. Fair to very fine sunny weather was in the ascendant over the greater part of the area under observation, but on each day there were rather heavy falls of rain at various stations in the western and southern portions of the Continent, the largest amounts reported being 1·2 in. at Bilbao on Sunday, and 1·5 in. at Trieste on Monday. Temperature was somewhat variable, many of the afternoon maxima at home and foreign stations being between 50° and 55°, and in our Islands there have thus far been only a few records of as high as 70°

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 110.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	44·8	+ 5·1	39	+ 5
STRATHPEFFER SPA	29·9	− 8·3	27	− 7
CRATHES	45·0	—	41	—
BALRUDDERY	45·1	—	41	—
EDINBURGH	40·7	+ 4·3	37	+ 4
COCKLE PARK	40·4	—	37	—
NEWCASTLE-on-TYNE	27·8	—	26	—
SALTBURN-by-the-SEA	43·4	—	40	—
YORK	36·8	− 2·9	34	− 3
SKEGNESS	52·8	—	49	—
CROMER	61·9	—	57	—
LOWESTOFT	69·8	—	65	—
DUNMOW	59·1	—	56	—
SHEFFIELD	46·1	—	43	—
WORKSOP	39·7	+ 2·2	37	+ 2
MARGATE	63·4	+ 20·4	60	+ 19
BROADSTAIRS	72·8	—	69	—
RAMSGATE	71·2	—	67	—
EASTBOURNE	60·5	+ 11·1	58	+ 11
BRIGHTON	64·5	+ 16·9	61	+ 16
WORTHING	66·8	—	64	—
BOGNOR	70·7	—	67	—
VENTNOR HOSPITAL	71·4	+ 21·4	68	+ 20
BOURNEMOUTH	79·7	—	76	—
MARLBOROUGH	57·3	+ 16·7	54	+ 16
SOUTHPORT	56·2	—	52	—
RHYL	62·9	—	58	—
ABERDOVEY	62·2	—	58	—
TENBY	73·6	+ 24·6	69	+ 23
TORQUAY	70·0	+ 21·3	67	+ 20
NEWQUAY	63·3	+ 15·5	60	+ 15
GUERNSEY	79·2	+ 22·8	75	+ 22

Reports received too late for insertion in their proper places.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 18, page 104	Rettws-y-Coed	66	34	54·8	39·9	46·9	−1·8	43	6	5	1·26	—	29·0	—	28	—
" " " "	Foynes	60	35	54·5	41·0	47·4	−1·8	42	3	5	0·29	−0·25	—	—	—	—
" " " 108	Margate	—	—	—	—	—	—	—	—	—	—	—	52·0	+11·0	51	+ 11

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* } No. 20. TWENTIETH WEEK, ENDING SATURDAY, MAY 20TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 116.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	73	38	57·9	43·6	50·3	3 above	58	+12	0	− 6	288	−49	463	− 84
	1. SCOTLAND, EAST	72	30	60·3	42·6	50·9	3 above	62	+ 8	0	− 5	398	−29	497	−101
	2. ENGLAND, N.E.	69	33	55·8	42·9	49·0	0 (average)	49	− 5	0	− 2	460	+29	372	−122
	3. ENGLAND, EAST	70	38	58·7	44·2	51·0	1 above	63	− 6	0	− 2	525	−18	346	−194
	4. MIDLAND COUNTIES	72	35	62·5	42·8	52·1	2 above	71	+ 1	0	− 3	564*	−12	387	−160
	5. ENGLAND, SOUTH	74	37	62·7	44·7	53·2	1 above	78	+ 2	0	− 1	585	−36	264	−139
Principal Grazing Districts.	6. SCOTLAND, WEST	72	34	64·6	43·8	53·6	4 above	81	+21	0	− 2	476	+12	313	−110
	7. ENGLAND, N.W.	70	31	61·3	44·7	52·5	2 above	74	+10	0	− 1	501	+12	273	−129
	8. ENGLAND, S.W.	72	35	64·1	46·4	54·7	3 above	89	+19	0	− 1	602	−15	218	− 89
	9. IRELAND, NORTH	76	32	64·3	43·5	53·3	3 above	79	+18	0	− 1	531	−13	271	− 79
	10. IRELAND SOUTH	75	37	66·9	45·0	55·3	4 above	93	+23	0	− 1	696	+18	166	− 92
	— CHANNEL ISLANDS	68	46	59·6	48·9	54·0	1 above	84	+ 6	0	0	814	+67	55	− 65

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 116.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	1	less than half	5 less	111	+24	21·3	+ 5·0	50	+11	43	+10	388	− 40	25	− 3
	1. SCOTLAND, EAST	1	less than half	4 less	83	+10	8·9	− 1·5	51	+ 5	44	+ 5	461	− 38	29	− 2
	2. ENGLAND, N.E.	2	1	4 less	65	− 4	5·4	− 2·6	37	− 6	33	− 5	499	− 29	31	− 2
	3. ENGLAND, EAST	2	1	4 less	71	+ 1	6·3	− 1·4	52	+ 5	47	+ 5	581	+ 28	36	+ 2
	4. MIDLAND COUNTIES	1	less than half	4 less	71	+ 5	7·1	− 1·9	51	+15	46	+14	480	+ 19	30	+ 1
	5. ENGLAND, SOUTH	2	1	3 less	70	+ 5	8·6	− 0·9	58	+11	54	+10	563	+ 19	35	+ 1
Principal Grazing Districts.	6. SCOTLAND, WEST	0	—	6 less	87	+11	16·8	− 0·9	62	+19	56	+17	514	+ 32	32	+ 2
	7. ENGLAND, N.W.	0	—	5 less	79	+ 8	10·4	− 0·6	58	+16	53	+14	514	+ 70	32	+ 4
	8. ENGLAND, S.W.	1	less than half	5 less	75	+ 2	12·0	− 1·3	66	+18	61	+17	543	− 11	34	− 1
	9. IRELAND, NORTH	0	—	5 less	95	+ 9	12·7	+ 0·5	89	+47	79	+42	553	+ 77	35	+ 5
	10. IRELAND, SOUTH	0	—	6 less	90	+11	13·9	− 0·8	80	+34	73	+31	531	− 8	33	− 1
	— CHANNEL ISLANDS	0	—	4 less	83	+ 5	10·8	− 0·6	64	+ 8	60	+ 7	602	− 48	37	− 3

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was again very dry over the whole Kingdom and, except in England N.E., also very bright.

Temperature was above the mean generally; the excess ranging from 3° or 4° in Scotland and Ireland to 1° or 2° in most parts of England. In the north-east of England, however, the temperature only just equalled the mean. The range was large; the maxima, which were recorded about the middle of the week, were above 70° in nearly all districts, and as high as 75° and 76° in Ireland, while the absolute minima, registered either during the earlier days of the week or on Saturday, were as low as 30° in Scotland E., 31° in England N.W., and 32° in Ireland N. In England S. and Ireland S. the lowest reading was 37°, in Scotland N. and England E. 38°, and in the Channel Islands 46°.

Rainfall. A few hundredths of an inch fell in various parts of Great Britain and about a tenth in the north-east, east, and south of England; elsewhere there was none.

Bright Sunshine was greatly in excess of the mean generally, but deficient in England N.E. In that district the percentage of the possible duration was only 33, but in all the western districts and in England S. it exceeded 50, the highest proportions recorded being 79 in Ireland N. and 73 in Ireland S.

Barometer and Wind. The central portion of a large anticyclone of considerable intensity lay over our Islands or in their vicinity during the whole of the week. The wind was light from South-West for a time on our extreme north-western coasts, but the general current was between North and North-East over the entire Kingdom. It sometimes blew a fresh or strong breeze in the east and south-east, but considered as a whole it had little force.

3666 Wy. & S. Ltd.
370 5 | 05

II.—DATA from which the SUMMARY on page 115 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
May 14-20, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
O. SCOTLAND, N.	Sumburgh Head	53	41	49·7	42·6	45·9	+ 0·8	27	0	3	0·14	− 0·27	*	*	*	*
	Stornoway	67	39	58·4	44·6	51·1	+ 4·3	64	0	0	0·00	− 0·55	56·9	+ 14·1	49	+ 12
	Wick	60	42	56·4	44·1	49·9	+ 2·8	55	0	1	0·02	− 0·39	*	*	*	*
	Lairg Ş												*	*	*	*
	Glencarron Ş	71	38	63·9	43·0	52·8	+ 5·1	76	0	0	0·00	− 1·04	*	*	*	*
	Fort Augustus Ş	73	39	61·2	43·8	52·0	+ 2·9	70	0	0	0·00	− 0·47	59·6	+ 29·2	52	+ 25
1. SCOTLAND, E.	Nairn	72	39	59·9	43·1	51·0	+ 1·9	63	0	1	0·01	− 0·35	*	*	*	*
	Aberdeen	59	40	55·4	44·9	49·8	+ 1·7	55	0	1	0·01	− 0·44	50·0	+ 6·6	44	+ 6
	Braemar Ş	70	35	64·1	39·0	50·8	+ 5·1	74	8	0	0·00	− 0·50	*	*	*	*
	Clathick Ş	72	39	68·2	43·0	54·8	+ 5·1	90	0	0	0·00	− 0·53	*	*	*	*
	Leith	63	39	57·9	44·4	50·8	+ 1·0	62	0	0	0·00	− 0·37	*	*	*	*
	Marchmont Ş	63	30	56·0	41·3	48·2	+ 0·4	46	2	2	0·07	− 0·46	39·7	− 2·2	35	− 2
2. ENGLAND, N.E	Alnwick Castle	58	34	54·7	42·5	48·2	+ 0·4	43	0	2	0·04	− 0·42	*	*	*	*
	Durham	62	33	53·9	41·5	47·3	− 1·3	39	1	1	0·02	− 0·42	24·2	− 14·7	22	− 13
	Shields	55	35	52·0	42·0	46·7	− 1·6	33	0	3	0·05	− 0·32	*	*	*	*
	Scarborough Ṁ	61	43	53·4	44·5	48·7	− 0·4	47	0	3	0·14	− 0·29	32·0	—	29	—
	Spurn Head	58	43	52·9	45·3	48·9	− 0·5	48	0	0	0·00	− 0·35	*	*	*	*
	Lincoln	69	42	61·0	44·0	52·0	+ 1·2	70	0	2	0·02	− 0·39	*	*	*	*
	Fulbeck (Lincolnshire)	69	35	62·9	40·4	51·0	+ 0·1	70	4	2	0·05	− 0·37	60·6	—	55	—
3. ENGLAND, E.	Hillington Ṁ	66	38	56·7	43·1	49·5	− 1·3	53	0	2	0·03	− 0·37	48·1	+ 0·8	44	+ 1
	Yarmouth	58	45	54·4	46·9	50·4	+ 0·6	59	0	1	0·08	− 0·32	*	*	*	*
	Geldeston	65	38	57·8	43·6	50·3	− 0·2	58	0	3	0·03	− 0·37	51·5	+ 1·4	47	+ 1
	Cambridge	70	38	60·5	43·0	51·3	− 0·6	65	0	3	0·06	− 0·36	53·7	+ 7·7	49	+ 7
	Felixstowe	63	40	59·0	44·6	51·4	+ 1·8	66	0	2	0·11	—	58·0	—	53	—
	Clacton-on-Sea	63	41	59·0	45·0	51·6	+ 2·1	67	0	2	0·10	—	54·3	—	50	—
	Rothamsted	69	39	61·2	42·7	51·4	+ 0·7	66	0	2	0·05	− 0·40	55·0	+ 10·6	50	+ 10
	Shoeburyness	66	40	61·0	44·4	52·2	+ 2·4	71	0	2	0·05	− 0·25	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	66	38	57·2	42·8	49·6	+ 1·1	53	0	2	0·08	− 0·36	37·9	—	34	—
	Bawtry (Hesley Hall)	72	38	63·4	42·1	52·1	+ 1·4	71	0	3	0·06	− 0·38	*	*	*	*
	Nottingham	68	42	61·7	44·7	52·7	+ 1·7	75	0	2	0·03	− 0·44	54·4	—	50	—
	Colly Weston (Stamford)	71	39	64·3	42·7	52·9	+ 1·5	76	0	1	0·02	− 0·43	*	*	*	*
	Cheadle Ṁ	67	42	61·6	44·7	52·6	+ 3·3	74	0	1	0·01	− 0·50	*	*	*	*
	Birmingham (Edgbaston)	66	42	60·9	44·6	52·3	+ 2·0	72	0	0	0·00	− 0·51	45·6	—	42	—
	Shrewsbury	71	35	? 65·5	40·6	? 52·3	+ 1·3	78	4	0	0·00	—	*	*	*	*
	Hereford Ṁ	69	40	64·5	43·4	53·3	+ 1·5	79	0	0	0·00	− 0·47	*	*	*	*
	Cirencester	69	38	62·6	39·6	50·4	0·0	69	7	2	0·04	− 0·44	60·9	+ 14·6	56	+ 13
	Oxford	70	37	63·6	43·1	52·7	+ 0·8	75	0	2	0·03	− 0·37	65·6	+ 21·2	60	+ 20
	Westminster	70	42	63·1	45·7	53·9	+ 0·7	83	0	4	0·17	—	53·3	+ 16·2	49	+ 15
5. ENGLAND, S.	London (Brixton)	72	41	65·1	45·4	54·7	+ 1·5	89	0	4	0·15	− 0·22	53·5‡	+ 12·1‡	49‡	+ 11‡
	Wisley (Surrey)	69	38	63·1	42·2	52·0	− 1·3	70	0	3	0·19	—	54·6	—	51	—
	Swarraton (Alresford) Ṁ	70	37	62·9	43·0	52·4	+ 2·2	73	0	1	0·17	− 0·27	*	*	*	*
	Tunbridge Wells Ṁ	67	38	62·2	43·0	52·0	+ 1·0	70	0	2	0·11	—	57·3	—	53	—
	Dungeness	62	43	59·0	47·1	52·7	+ 1·1	75	0	3	0·16	− 0·14	*	*	*	*
	Hastings (St. Leonards)	67	41	61·4	45·4	52·9	+ 1·1	76	0	1	0·07	− 0·29	61·3	+ 8·1	57	+ 8
	Southampton	74	41	66·9	46·1	55·9	+ 2·8	97	0	2	0·15	− 0·25	64·3	+ 15·0	60	+ 14
	Portland Bill	68	43	62·6	46·9	54·3	+ 2·8	86	0	2	0·10	—	*	*	*	*
	Shaftesbury Ṁ	68	38	61·2	43·5	51·8	+ 1·2	69	0	3	0·17	− 0·30	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	72	41	66·4	45·4	55·3	+ 5·3	93	0	0	0·00	− 0·84	*	*	*	*
	Glasgow	69	40	63·6	45·3	53·9	+ 4·4	83	0	0	0·00	− 0·55	48·0	+ 10·4	43	+ 9
	Cally Ş	72	38	66·2	42·4	53·6	+ 3·9	81	0	0	0·00	− 0·64	*	*	*	*
	Aspatria	71	34	63·8	42·2	52·4	+ 3·3	73	0	0	0·00	—	59·4	—	53	—
	Douglas (Isle of Man)	71	39	62·8	43·9	52·8	+ 3·1	76	0	0	0·00	− 0·50	79·4	+ 28·1	71	+ 25
7. ENGLAND, N.W.	Newton Rigg	66	31	61·4	39·0	49·5	+ 1·4	65	8	0	0·00	—	56·1	—	50	—
	Stonyhurst	68	41	62·0	45·6	53·3	+ 3·4	79	0	0	0·00	− 0·61	57·5	+ 13·5	52	+ 12
	Blackpool Ṁ	68	38	62·2	43·3	52·2	+ 1·5	71	0	0	0·00	− 0·45	59·1	+ 14·2	53	+ 13
	Manchester (Prestwich)	69	41	61·9	45·3	53·1	+ 3·1	78	0	0	0·00	− 0·54	55·5	—	50	—
	Liverpool Obsy. (Bidston)	69	43	62·7	46·7	54·2	+ 2·9	85	0	0	0·00	− 0·42	50·9	—	46	—
	Chester (Hawarden Bridge)	70	39	62·8	45·5	53·6	+ 1·5	81	0	0	0·00	—	*	*	*	*
	Llandudno Ṁ	64	42	58·9	47·1	52·7	+ 1·3	75	0	0	0·00	− 0·42	64·2	+ 18·6	58	+ 17
	Holyhead	61	46	56·9	47·3	51·8	+ 0·8	69	0	0	0·00	− 0·41	*	*	*	*
	Bettws-y-Coed	68	38	63·3	42·1	52·1	+ 1·2	71	0	0	0·00	—	52·8	—	48	—
8. ENGLAND, S.W.	Llangammarch Wells	68	35	63·7	41·6	52·0	+ 2·5	72	1	0	0·00	—	54·3	—	50	—
	Pembroke	68	44	61·7	? 47·4	? 54·1	+ 3·6	85	0	0	0·00	—	71·5	+ 20·7	66	+ 19
	Cardiff	69	40	64·4	46·3	54·8	+ 3·1	90	0	0	0·00	—	*	*	*	*
	Clifton	72	41	66·3	46·4	55·8	+ 4·2	97	0	1	0·01	− 0·51	*	*	*	*
	Bath	71	39	64·7	45·6	54·6	+ 2·6	88	0	1	0·01	− 0·45	66·8	—	61	—
	Arlington (N. Devon)	69	41	64·0	45·4	54·1	+ 4·0	85	0	0	0·00	− 0·63	*	*	*	*
	Cullompton Ṁ	70	46	65·9	46·8	55·8	+ 3·8	97	0	1	0·07	− 0·40	69·7	+ 24·3	65	+ 23
	Falmouth	66	47	61·6	48·6	54·7	+ 2·7	89	0	1	0·06	− 0·50	66·9	+ 14·1	63	+ 13
	Plymouth	70	45	64·3	49·1	56·2	+ 3·0	99	0	1	0·08	− 0·36	66·0	+ 16·7	62	+ 16
9. IRELAND, N.	Malin Head	67	43	59·1	45·1	51·7	+ 2·1	68	9	0	0·00	− 0·47	*	*	*	*
	Edenfel (Omagh)	76	32	70·1	41·1	54·7	+ 5·4	93	3	0	0·00	− 0·54	*	*	*	*
	Blacksod Point	71	41	63·6	46·1	54·3	+ 3·5	86	0	0	0·00	− 0·63	*	*	*	*
	Markree Castle	74	33	68·0	40·9	53·6	+ 4·0	86	3	0	0·00	− 0·56	89·2	+ 46·6	80	+ 42
	Armagh	71	36	65·9	41·9	53·2	+ 3·1	79	0	0	0·00	− 0·47	88·0	+ 46·4	79	+ 42
	Donaghadee	63	45	59·1	45·9	52·1	+ 1·9	71	0	0	0·00	− 0·50	*	*	*	*
10. IRELAND, S.	Dublin	68	47	63·4	48·1	55·3	+ 3·3	93	0	0	0·00	− 0·44	74·7	+ 26·5	68	+ 24
	Birr Castle	71	37	67·0	42·0	53·8	+ 2·8	83	0	0	0·00	− 0·51	77·0	+ 35·3	70	+ 32
	Kilkenny	69	40	66·6	42·6	53·9	+ 2·7	83	0	0	0·00	− 0·47	*	*	*	*
	Waterford	72	44	68·1	47·4	57·1	+ 5·9	106	0	0	—	− 0·52	*	*	*	*
	Roche's Point	67	45	60·9	47·4	53·8	+ 1·5	83	0	1	0·01	− 0·64	*	*	*	*
	Valencia	72	41	64·9	44·9	54·3	+ 2·3	86	0	0	0·00	− 0·67	89·0	+ 41·4	82	+ 38
	Killarney	75	38	72·8	43·3	57·2	+ 5·5	106	0	0	0·00	− 0·68	*	*	*	*
	Foynes	73	39	71·3	44·5	57·1	+ 6·0	106	0	0	0·00	− 0·53	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	60	46	57·6	48·7	52·9	+ 0·5	76	0	0	0·00	− 0·37	72·6	+ 18·5	68	+ 17
	Jersey (St. Aubyn's)	68	47	61·6	49·1	55·0	+ 1·8	91	0	0	0·00	− 0·43	62·1	+ 5·7	59	+ 5

Information for Stations marked Ṁ is supplied by the Royal Meteorological Society, and that for Stations marked Ş is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

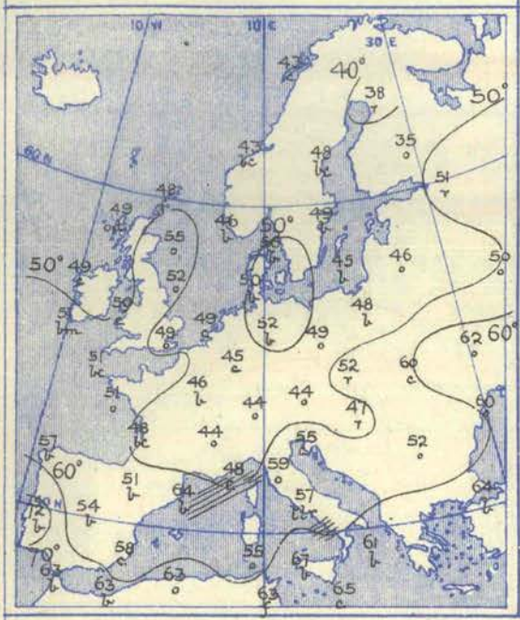
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

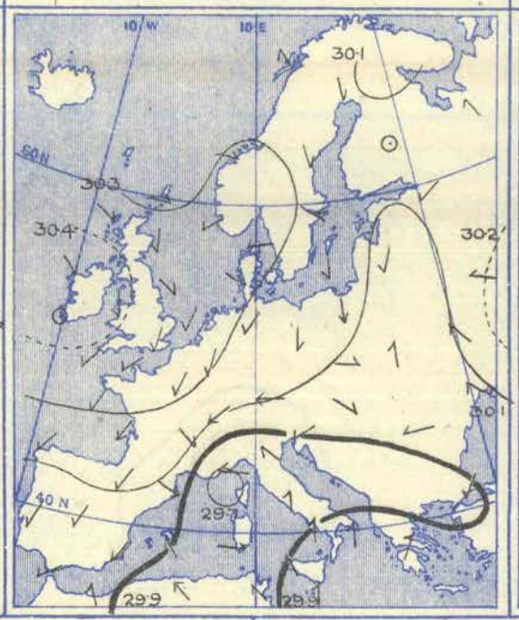
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 14th May, 1905.

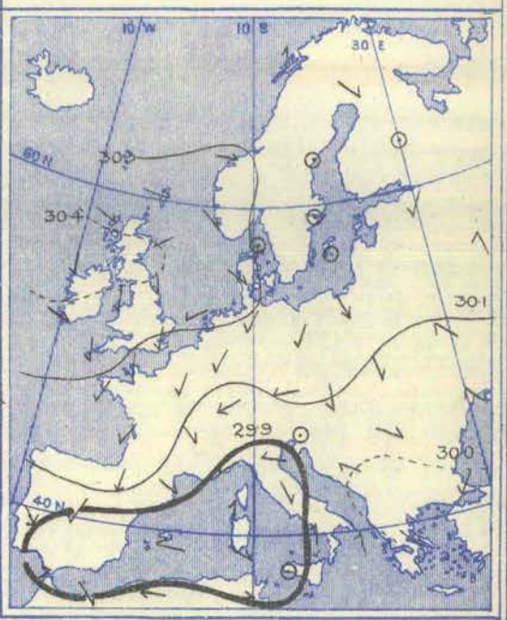
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Scandinavia and at several of our western stations. Cloudy or dull elsewhere, with rain at Uleaborg, St. Petersburg, Warsaw, and Turin, and a thunderstorm at Rome. Rain later over central and southern Europe, as well as in some parts of Russia, remaining dry over our Islands and the adjacent countries—largest amounts measured 1·14 in. at La Calle, 1·10 in. at Leghorn, 0·75 in. at Trieste, and 0·67 in. at Florence.

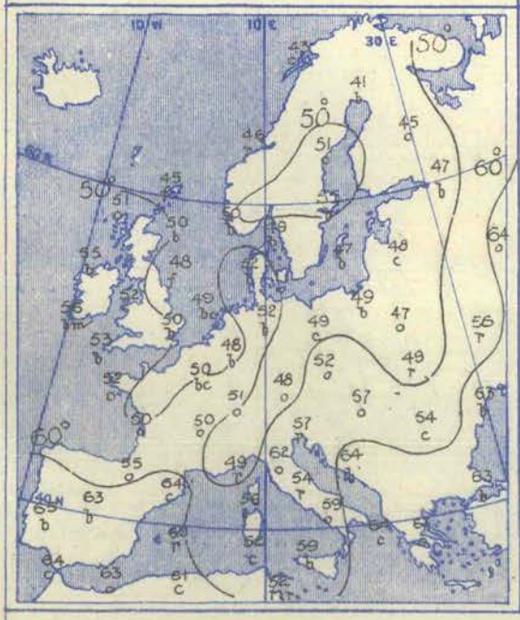
Temperature risen a little over the northern countries, fallen at many of the Continental stations. Morning readings highest, 72° at Lisbon, 67° at Palermo and Patras, above 60° at many Mediterranean and southern Russian stations. Lowest, 35° at Kuopio, 38° at Uleaborg, and below 50° at many of our own and the Continental stations. Rising during day to 63° at Nairn and Parsonstown, to above 70° over southern Italy and Algeria, but maxima remaining low on the Continent generally. At Nice the highest reading was only 54°.

Wind light in force generally, showing a distinct anticyclonic circulation over western Europe, and a well-defined cyclonic movement over the Mediterranean. Over Russia and eastern Europe light Southerly airs continue. No material change later.

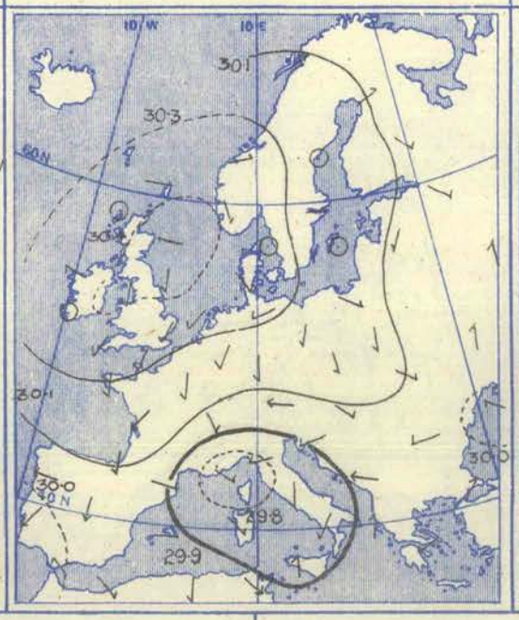
Barometer highest, 30·4 ins. and upwards in the easterly side of an anticyclone spreading from the Atlantic to Ireland, 30·2 ins. and upwards over central Russia. Lowest, 29·7 ins. and less in a well-marked disturbance over the Mediterranean, and 30·1 ins. and less in a very shallow system over northern Russia. No change of importance during day.

Monday, 15th May, 1905.

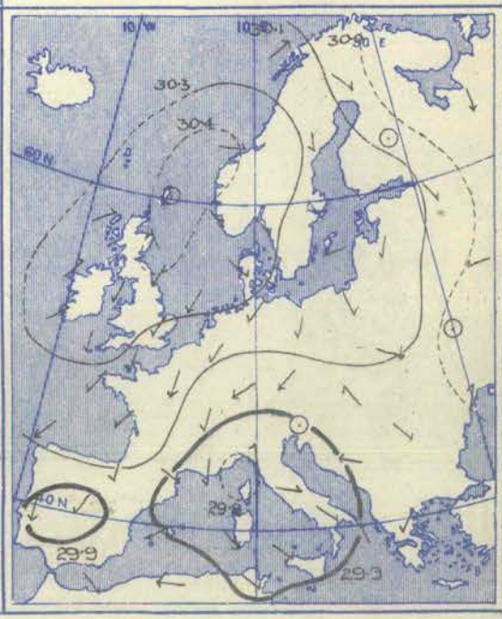
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and cloudy at several extreme northern stations, as well as over the Mediterranean, with rain at Christiansund and at many Italian and southern French stations, clear and bright in most other places, but foggy at Sumburgh Head. Rain later over Austria, Italy, and the south of France—as much as 1·78 in. measured at Turin and 1·14 in. at Rome. A thunderstorm reported from Sfax, but rainfall not measurable.

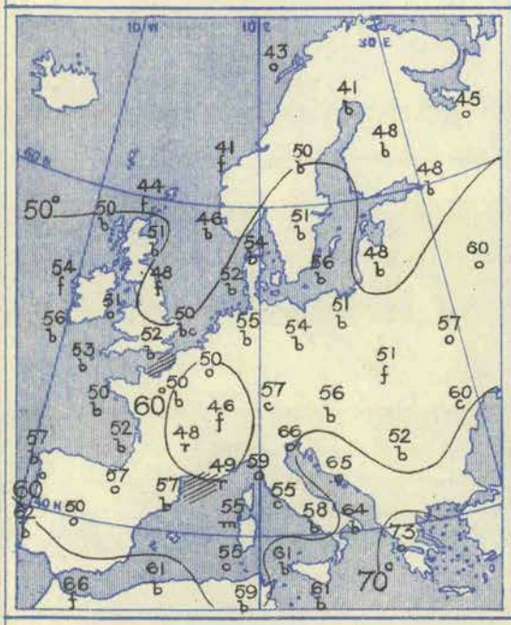
Temperature risen a little in most places. Morning readings highest, 67° at Patras, 65° at Lisbon, 64° at Barcelona, Brindisi, and Lesina, and 60° or slightly above at several southern stations. Lowest, 41° at Haparanda, 43° at Bodö, 45° at Kuopio, Uleaborg, and Christiansund. Rising subsequently to above 70° at many stations over southern Europe and to 81° at Sanguinaires. Highest in our Islands, 63° in London, and 64° at Brighton and Bournemouth.

Wind light and anticyclonic over our Islands and the adjacent countries, being Westerly over Scandinavia, North-Easterly to Easterly over Denmark, the Netherlands, the greater part of France and England, variable in Ireland and Scotland. A well-marked cyclonic circulation shown over the Mediterranean, blowing strongly in a few places. Light variable breezes elsewhere. Scarcely any change later.

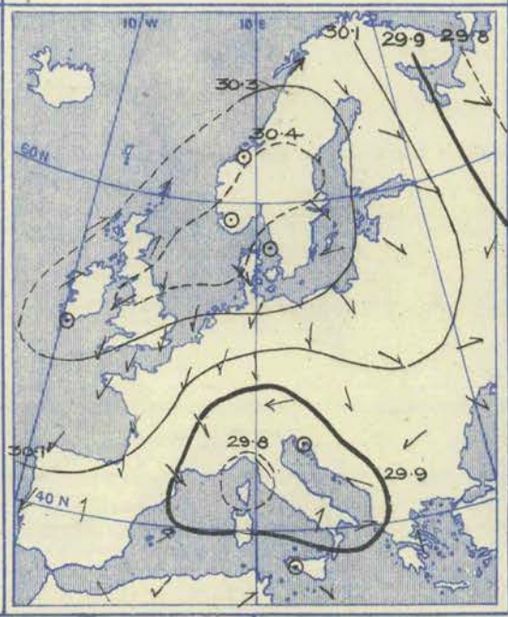
Barometer highest, 30·4 ins. and upwards in the central area of a high pressure system over the greater part of these Islands. Lowest, 29·8 ins. and less in a well-defined disturbance over the Gulf of Genoa and Corsica, and 30·0 ins. and less in a shallow disturbance over the Black Sea. Anticyclone moving slightly northwards later, and another shallow low pressure system appearing over Spain. No material change elsewhere.

Tuesday, 16th May, 1905.

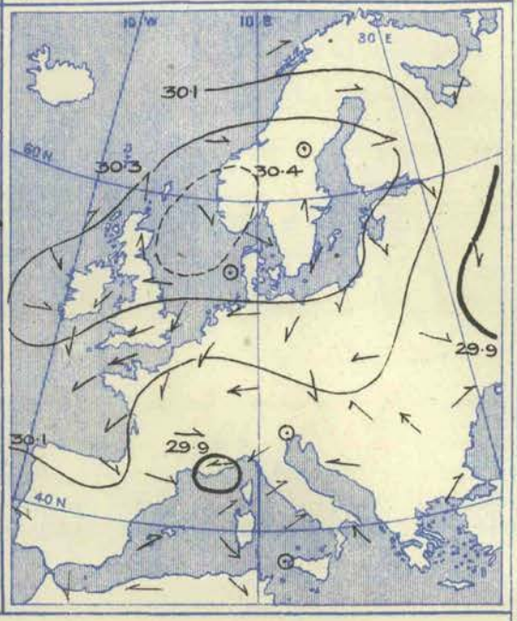
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the greater part of our area, but dull and cloudy at many of the French stations, with rain at Lyons and Nice. Fog reported from Christiansund and Sumburgh Head. Rain later over the south-east of England, and in considerable quantities over the south of France and northern Italy—as much as 1·22 in. measured at Cape Sicié and 2·80 ins. at Gap.

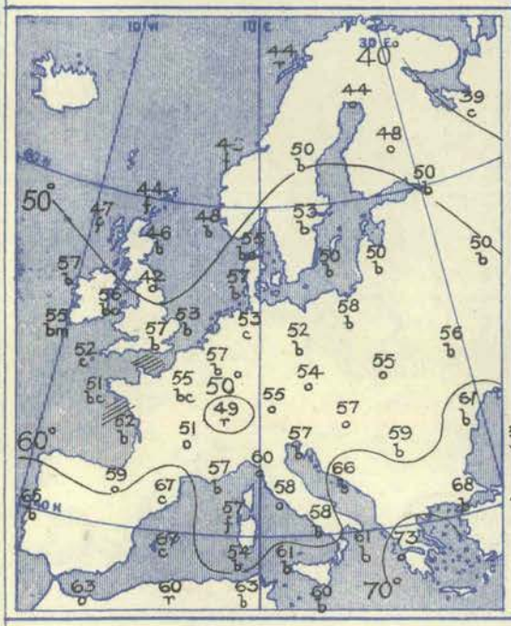
Temperature changed very little. Morning readings highest, 73° at Athens, 71° at Patras, and 60° or above over Algeria and at a few southern European stations. Lowest, below 50° over our eastern and Midland districts, as well as over Scandinavia, northern Russia, and the Baltic Provinces. Rising subsequently to 70° or slightly above over Italy, Spain, and Algeria. Highest maxima recorded, 79° at Sfax and 80° at Biskra. Highest in our Islands, 68° at Birr Castle, 67° at Stornoway, and 63° at Bath, Plymouth, and Bournemouth.

Wind still showing an anticyclonic circulation over western Europe, light to moderate in force. Cyclonic over southern Europe and the Mediterranean, but only light breezes reported. No change of an important character occurring later.

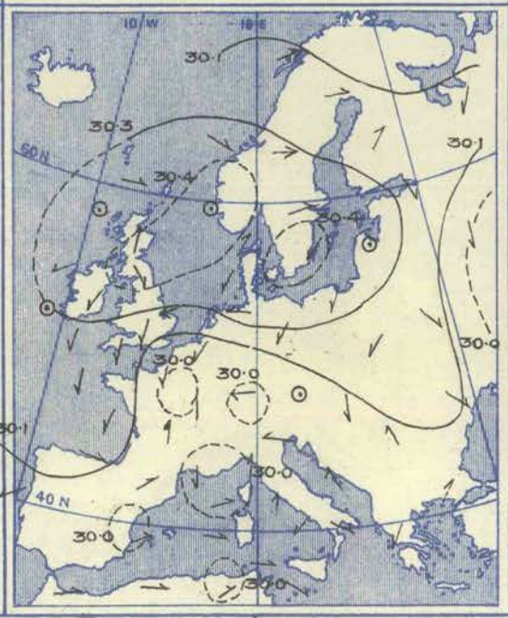
Barometer highest, 30·4 ins. and upwards in the central space of an anticyclone over central Scandinavia, the North Sea, and the north of England. Lowest, 29·8 ins. and less in a depression over the Gulf of Genoa, also in another system near the White Sea, and 29·9 ins. and less in a shallow disturbance over the south-western part of the Spanish Peninsula. Very little change later in the movement of the anticyclone, but depression over Gulf of Genoa filling up.

Wednesday, 17th May, 1905.

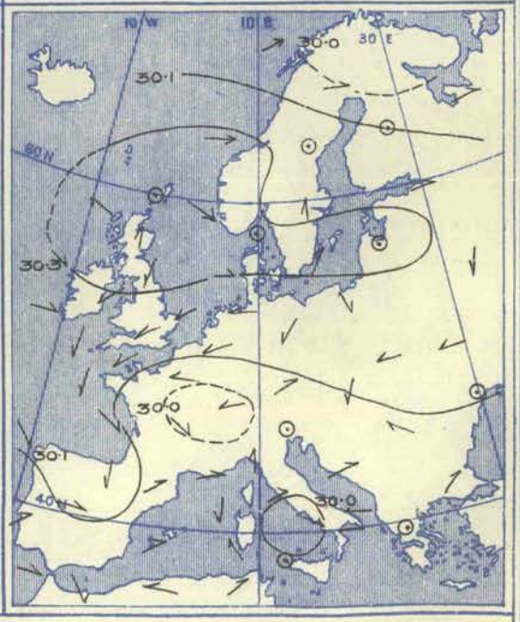
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine throughout the greater part of our area, but cloudy or dull at several French and central European stations, with rain at Bodö and Belfort, and fog at Christiansund, as well as in the Shetlands and Hebrides. Rain later over the south of France and at several of the Austrian and German stations, but no very large amounts measured.

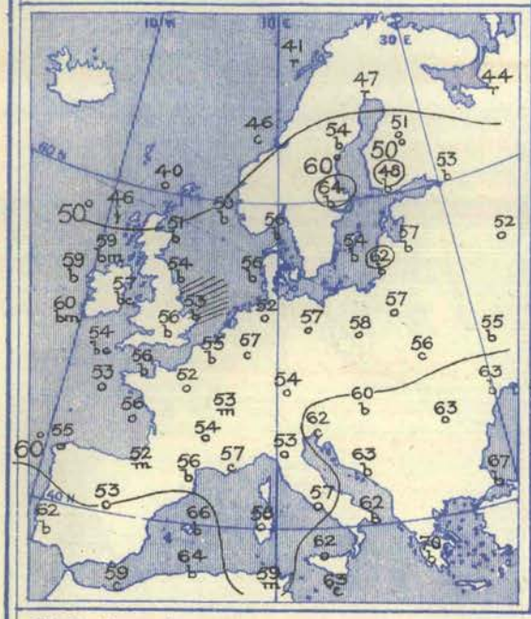
Temperature risen a little in most places. Morning readings highest, (1) 73° at Athens, 67° at Palma, 66° at Lesina, and 65° at Lisbon, (2) 63° at Stockolm and 60° at Hernösand. Lowest, 39° at Archangel, 42° at Shields, 44° at Bodö, Ulleaborg, and Sumburgh Head, and 45° at Christiansund. Rising during day to 72° at Nairn and Bournemouth, 70° at many stations over southern and western England, and to 69° at Liverpool. No very high readings recorded at the Continental stations, but thermometer rising to 79° at Madrid and Athens, and to 81° at Constantinople, Tunis, and Sfax.

Wind Westerly and South-Westerly moderate to strong over northern Europe, Easterly moderate or fresh over France and central Europe, Northerly light in Russia, light and variable, mainly cyclonic, over southern Europe and the Mediterranean. No change of importance later.

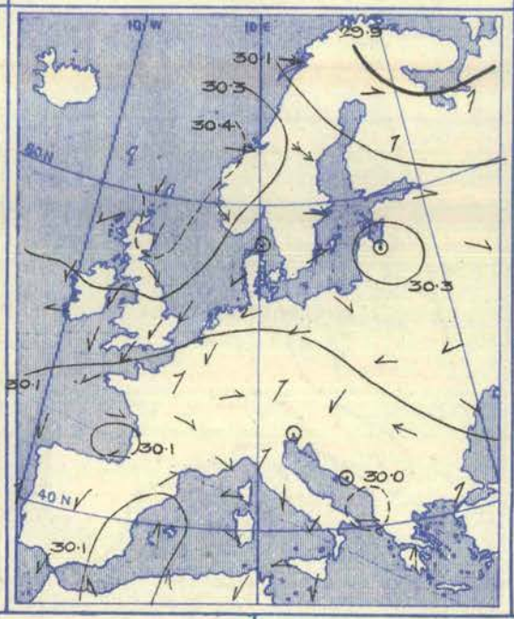
Barometer 30·4 ins. and upwards in the central area of an anticyclone still covering the west of Norway, the North Sea, and the north of England, and also in another smaller system over the south of Sweden. Lowest, 30·0 ins. and less in many small shallow disturbances over central and southern Europe. Pressure giving way somewhat over our Islands later, rising a little at most of the Continental stations.

Thursday, 18th May, 1905.

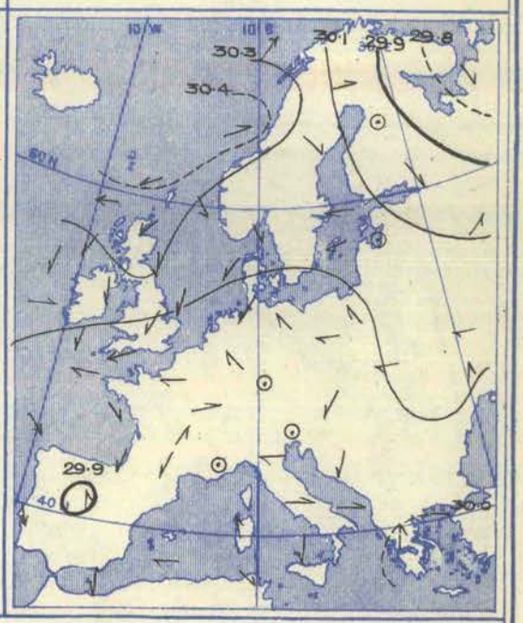
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very fine over our Islands and the neighbouring countries, but cloudy or dull at many of the Continental stations, with rain over northern Europe, as well as in some parts of Italy. Slight rain later at a few stations in the south-east of England, and larger amounts in some parts of Germany and at Biarritz.

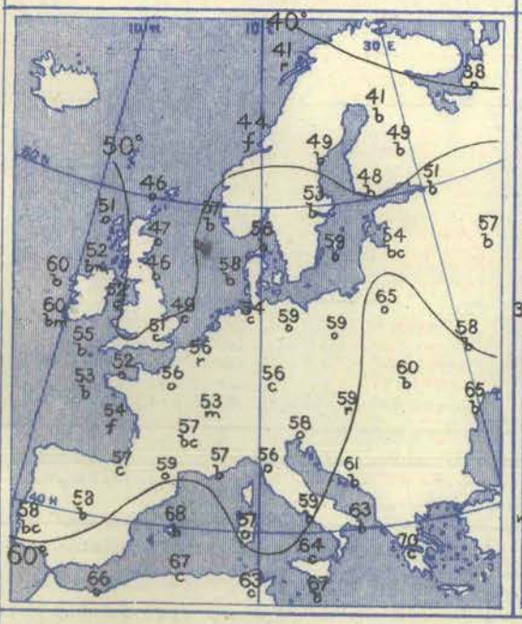
Temperature risen somewhat over our Islands, changed little and irregularly elsewhere. Morning readings highest, (1) 70° at Patras, 68° at Athens, 66° at Palma, and above 60° at a few southern stations, (2) 64° at Stockholm, 62° at Memel, (3) 60° at Valencia (Ireland). Lowest, 41° at Bodö, 44° at Archangel, 45° at Wick, and 46° at Stornoway. Rising during day to 70° or above at many southern stations, reaching 81° at Madrid, San Fernando, and Sanguinaires, and touching 86° at Biskra. Thermometer over our Islands rising to between 60° and 70° at most western and inland stations, but not rising above 50° at many places on the east coast.

Wind Easterly or North-Easterly over our Islands and the adjoining parts of the Continent, blowing freshly on our south-eastern and southern coasts. South-Westerly and Westerly over Scandinavia and northern Europe generally, light and very variable elsewhere. No material change later.

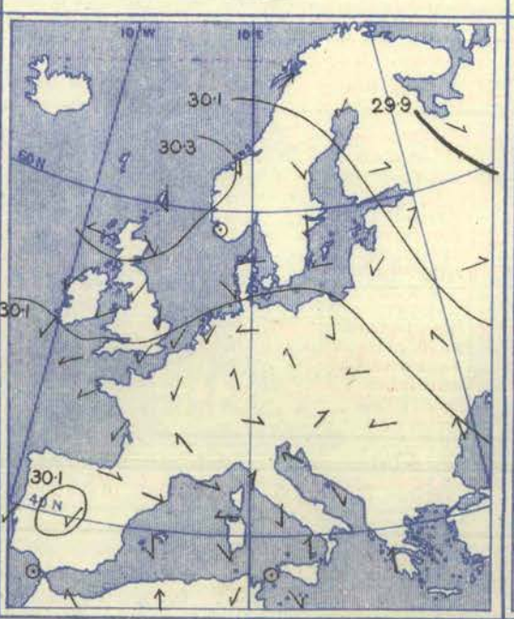
Barometer 30·4 ins. and upwards over the northern part of the North Sea and the east of Scotland, 30·3 ins. and upwards in a small system over Livonia, and 30·1 ins. and less in two areas lying over the south-west of France and the western part of the Mediterranean respectively. Lowest, 29·9 ins. and less in a shallow depression over northern Russia, and 30·0 ins. and less in two shallow disturbances in the south-east of Europe. Northern anticyclone travelling slowly northward later. No other change of importance.

Friday, 19th May, 1905.

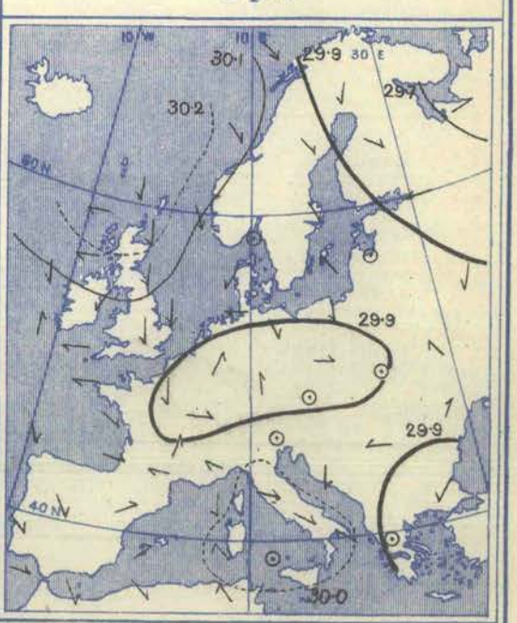
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Russia, Sweden, Denmark, Ireland, and the Spanish Peninsula; cloudy or dull in almost all other regions, and rainy at Bodö, Brussels, and in some parts of central Europe. Rain falling later in several French localities, over the Low Countries, Germany, and Austria-Hungary, and slight amounts in the east of Great Britain. Thunderstorms experienced at many French stations.

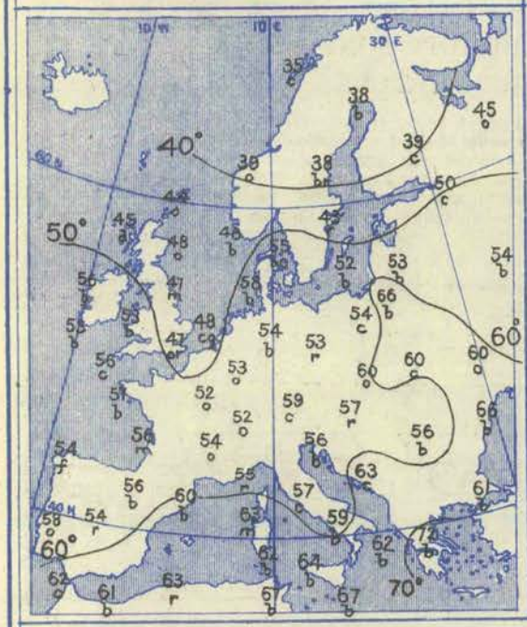
Temperature fallen over our Islands, but changed irregularly or risen elsewhere. Morning readings, 60° in the west of Ireland and above 60° in the extreme south of our area—highest values, 67° at Algiers and Malta and 70° at Patras. Below 50° in nearly all parts of Great Britain, Scandinavia, and the north of Russia, and only 38° at Archangel. Rising later to 65° or 66° in some parts of England, to 70° at Valencia Island, to above 70° over the central and southern Continental countries as a whole, to 81° at Tunis, and to 82° at Patras.

Wind in morning strong from South-West at Bodö, but light to moderate from between North-West and North-East over the northern half of Europe generally. Some small and feeble cyclonic circulations shown over the central countries, and light, variable airs in the south. No general change taking place later, but wind veering to North-West at Bodö.

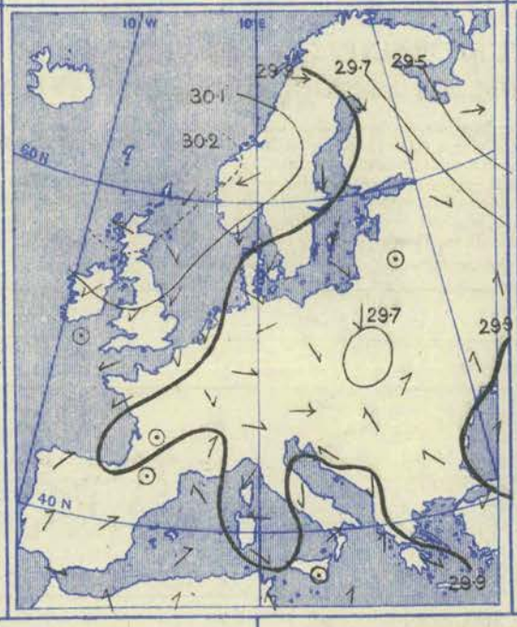
Barometer at 8 a.m. ranging from above 30·3 ins. in an anticyclone lying over Scotland and extending towards Iceland, and from 30·14 ins. at Madrid, to below 30·0 ins. in a band of relatively low pressure stretching from the Bay of Biscay across central Europe to the Balkan Peninsula, and to below 29·9 ins. over the White Sea and its neighbourhood. Anticyclone receding further to the north-westward later and pressure decreasing somewhat in almost all parts of our area.

Saturday, 20th May, 1905.

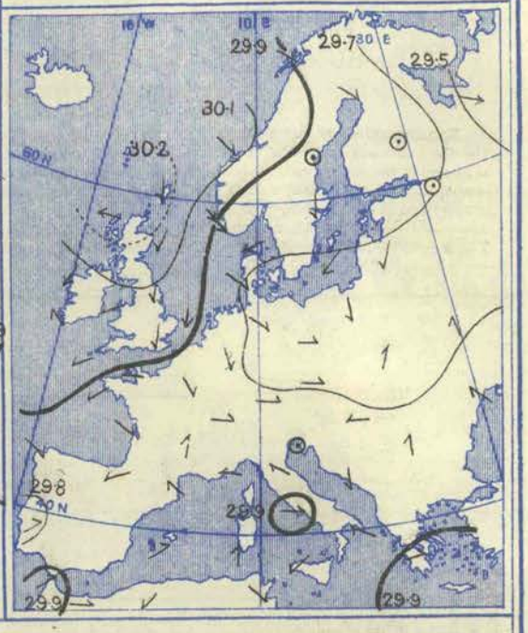
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast generally, but fine and bright in Ireland, Wales, and in a few Continental localities. Rain falling in the south-east of England, over North Germany, and at Karlstad, Stockholm, Helsingfors, and Algiers. Rain falling later in several parts of France and central Europe and thunderstorms occurring in some parts of the former country and also at Algiers. Largest rainfall, 0·9 ins. at Neu-Fahrwasser.

Temperature fallen generally. Morning values ranging from 35° at Bodö and below 40° at many other stations in the extreme north to about 50° over the United Kingdom and its vicinity, to 66° at Memel, 67° at Malta, and to 72° at Athens. Rising later to 66° at some of our own western stations, but not exceeding 51° on the east coast. Maxima above 70° in southern Europe generally, above 80° at Madrid, and 90° at Tunis.

Wind North-Westerly to Westerly in the far north of Europe and strong to moderate in force. Moderate or light from North and North-East over our Islands and the adjacent countries of the Continent. A complete cyclonic circulation of moderate winds prevailing around the east of Germany, and light airs from various directions over the Mediterranean region. Increasing somewhat in force from the northward over the east of England by evening, but no general change taking place.

Barometer at 8 a.m. highest, 30·2 ins. and upwards in an anticyclone extending from the northern part of the Atlantic to the north of Scotland and the west of Norway. Lowest, 29·4 ins. at Archangel, and below 29·7 ins. in a shallow depression over Germany. Some small local irregularities of pressure shown over the Mediterranean. No important change taking place in the general distribution later.

IV.—GENERAL NOTES.

The chief factor in the pressure distribution of the week was the persistence of a large anticyclone over our Islands and the greater part of Scandinavia. No deep depressions appeared in any part of our area, but shallow disturbances which at first were confined to the Mediterranean region gradually moved northwards over central Europe until by the end of the period they had reached the Baltic. By this time the centre of the anticyclone had moved slowly away towards Iceland and the gradients over our Islands and their neighbourhood consequently assumed a more northerly trend. In addition to the depressions noted above there were sometimes others over or near the Iberian Peninsula, while towards the end of the period some large systems were travelling eastwards or south-eastwards over the Arctic Sea to the northward of Russia. The North-Easterly to Northerly winds which were general over the United Kingdom and its vicinity were light to fresh in force, and no very strong winds or gales accompanied the cyclonic systems over the Continent. Temperature was low for the time of year over the area under observation as a whole, but several warm days were experienced in this country and also in Sweden. A good deal of rain fell in the southern parts of Europe and smaller quantities in the central regions, but these Islands and most other northern countries continued very dry.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 116.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	34·6	− 6·2	29	− 5
STRATHPEFFER SPA	47·3	+ 7·8	41	+ 7
CRATHES	53·3	—	46	—
BALRUDDERY	60·0	—	53	—
EDINBURGH	49·6	+11·5	44	+ 10
COCKLE PARK	27·2	—	24	—
NEWCASTLE-on-TYNE	19·9	—	18	—
SALTBURN-by-the-SEA	22·2	—	20	—
YORK	41·9	+ 0·5	38	0
SKEGNESS	46·7	—	43	—
CROMER	43·1	—	39	—
LOWESTOFT	50·3	—	46	—
DUNMOW	56·7	—	52	—
SHEFFIELD	42·9	—	30	—
WORKSOP	48·2	+ 9·0	44	+ 8
MARGATE	51·7	+ 7·5	47	+ 7
BROADSTAIRS	59·2	—	55	—
RAMSGATE	60·2	—	56	—
EASTBOURNE	59·0	+ 7·2	55	+ 7
BRIGHTON	61·3	+ 11·7	57	+ 11
WORTHING	64·8	—	60	—
BOGNOR	64·3	—	60	—
VENTNOR HOSPITAL	59·6	+ 8·1	55	+ 7
BOURNEMOUTH	67·1	—	62	—
MARLBOROUGH	56·4	+ 14·1	52	+ 18
SOUTHPORT	54·0	—	49	—
RHYL	52·5	—	48	—
ABERDOVEY	71·4	—	65	—
TENBY	74·3	+ 22·9	68	+ 22
TORQUAY	69·8	+ 19·3	65	+ 18
NEWQUAY	63·8	+ 14·2	59	+ 13
GUERNSEY	57·7	− 1·1	54	− 1

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 15, page 86	Shaftesbury	—	—	—	42·1	46·3	+1·0	—	0	—	—	—	—	—	—	—
,, 16 ,, 92	Donaghadee	—	—	—	—	—	—	—	—	—	0·08	−0·37	—	—	—	—
,, ,, ,, ,,	Fulbeck	—	—	—	—	—	—	—	—	—	0·39	+0·01	—	—	—	—
,, ,, ,, ,,	Shaftesbury	—	—	48·3	—	42·0	−4·3	18	16	—	—	—	—	—	—	—
,, ,, ,, ,,	Colly Weston	—	—	—	41·3	49·1	+0·2	—	2	—	—	—	—	—	—	—
,, 18 ,, 104																

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 21. TWENTY-FIRST WEEK, ENDING SATURDAY, MAY 27TH, 1905. *Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 122.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	62	30	51·0	37·4	43·8	5 below	32	−21	13	+ 9	320	−70	476	− 75
	1. SCOTLAND, EAST	64	32	54·1	39·1	46·2	4 below	42	−21	8	+ 5	440	−50	505	− 96
	2. ENGLAND, N.E.	69	29	57·2	41·3	48·7	2 below	50	−12	2	0	510	+17	374	−122
	3. ENGLAND, EAST	72	30	58·3	41·1	49·2	3 below	54	−25	3	+ 2	579	−43	349	−192
	4. MIDLAND COUNTIES	72	29	58·7	39·6	48·6	4 below	56	−24	7	+ 5	620	−36	394	−155
	5. ENGLAND, SOUTH	74	28	59·1	40·6	49·3	4 below	57	−29	4	+ 4	642	−65	268	−135
Principal Grazing Districts.	6. SCOTLAND, WEST	62	31	56·1	42·4	48·9	2 below	48	−21	0	− 1	524	− 9	313	−111
	7. ENGLAND, N.W.	71	29	56·6	42·4	49·1	3 below	50	−23	0	− 1	551	−11	273	−130
	8. ENGLAND, S.W.	69	26	58·3	40·6	48·9	4 below	54	−26	4	+ 4	656	−41	222	− 85
	9. IRELAND, NORTH	66	30	57·3	44·5	50·5	1 below	60	−11	0	− 1	591	−24	271	− 80
	10. IRELAND SOUTH	72	33	61·1	45·7	53·0	0 (average)	77	− 3	0	0	773	+15	166	− 92
	— CHANNEL ISLANDS	68	35	58·4	46·9	52·3	2 below	72	−16	0	0	886	+51	55	− 65

Rainfall.

	DISTRICTS. (See p. 122.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	8	2 more	116	+25	22·0*	+ 5·1
	1. SCOTLAND, EAST	5	8	3 more	88	+12	9·7	− 1·2
	2. ENGLAND, N.E.	2	1	4 less	67	− 5	5·5	− 2·9
	3. ENGLAND, EAST	1	less than half	4 less	72	− 1	6·3	− 1·8
	4. MIDLAND COUNTIES	0	—	5 less	71	+ 2	7·1	− 2·4
	5. ENGLAND, SOUTH	0	—	4 less	70	+ 2	8·6	− 1·3
Principal Grazing Districts.	6. SCOTLAND, WEST	4	7	0 (average)	91	+12	17·5	− 0·8
	7. ENGLAND, N.W.	1	less than half	5 less	80	+ 6	10·4	− 1·1
	8. ENGLAND, S.W.	0	less than half	5 less	75	− 1	12·0	− 1·8
	9. IRELAND, NORTH	4	6	0 (average)	99	+ 9	13·3	+ 0·6
	10. IRELAND, SOUTH	3	5	1 less	93	+11	14·4	− 0·9
	— CHANNEL ISLANDS	0	—	4 less	83	+ 2	10·8	− 1·0

Bright Sunshine.

	DISTRICTS. (See p. 122.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	23	−15	20	−13	411	−55	24	− 3
	1. SCOTLAND, EAST	13	−26	11	−22	474	−64	28	− 4
	2. ENGLAND, N.E.	30	−17	26	−15	529	−46	31	− 3
	3. ENGLAND, EAST	43	− 4	39	− 4	624	+24	36	+ 1
	4. MIDLAND COUNTIES	34	− 9	31	− 8	514	+10	30	+ 1
	5. ENGLAND, SOUTH	56	+10	51	+ 9	619	+29	36	+ 2
Principal Grazing Districts.	6. SCOTLAND, WEST	33	−12	29	−10	547	+20	32	+ 1
	7. ENGLAND, N.W.	39	− 3	34	− 2	553	+68	32	+ 4
	8. ENGLAND, S.W.	52	+ 3	47	+ 3	595	− 9	35	− 1
	9. IRELAND, NORTH	29	−13	25	−12	582	+64	34	+ 4
	10. IRELAND, SOUTH	36	−10	32	− 9	567	−18	33	− 1
	— CHANNEL ISLANDS	61	+ 4	56	+ 3	663	−44	38	− 3

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was rather cloudy for the time of year over the Kingdom generally, but scarcely any rain was experienced except in Ireland and Scotland. Snow showers occurred at Lairg on Thursday, and hail or sleet showers at several north-eastern and eastern stations earlier in the week.

Temperature was just equal to the normal in Ireland S., but below it in all other districts, the deficit amounting to 4° in several parts of England and the east of Scotland and to 5° in Scotland N. The highest of the maxima were recorded on the 27th and ranged from 74° in England S. to 64° in Scotland E. and to 62° in Scotland N. and W. During the early days of the week the maxima were below 50° at some of our northern and eastern stations, and not much above it over Great Britain generally. The absolute minima, which were registered on the 23rd, were very low. In England S.W. (at Llangammarch Wells) the thermometer fell to 26°, and in England S. to 28°, readings slightly below the freezing point being recorded in most other districts. In Ireland S. and the Channel Islands the minima were 33° and 35° respectively. The lowest readings reported from thermometers exposed on the grass were 16°·5 at Worksop, 20°·3 at Marlboro, 21° at Rauceby, and 22° at Wisley.

Rainfall exceeded the mean in Scotland N. and E. and just equalled it in Scotland W. and Ireland N. Elsewhere the fall was very slight, and in most English districts scarcely appreciable.

Bright Sunshine was deficient except over England S. and S.W. and the Channel Islands. The percentage of the possible duration ranged from 56 in the Channel Islands and 51 in England S. to 29 in Scotland W., 25° in Ireland N., and to 11 in Scotland E.

Barometer and Wind. At the commencement of the period the central part of an anticyclone lay off our north-western coasts and the wind was Northerly over our eastern districts and Easterly in the south and west. The system subsequently moved southwards and at the same time extended eastwards and eventually became situated over the Continent, while low pressure areas appeared on our western coasts. The North-Easterly and Northerly winds were consequently replaced by North-Westerly and Westerly breezes and finally by increasing winds from the Southward and South-Westward.

3688 Wy. & S. Ltd.
370 5 | 05

II.—DATA from which the SUMMARY on page 121 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
May 21-27, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head Ⓢ	52	34	46·1	36·7	41·1	− 5·1	11	19	3	0·35	− 0·07	*	*	*	*
	Stornoway Ⓢ	57	34	51·7	38·1	44·5	− 3·7	34	11	5	0·43	− 0·12	39·1	− 4·1	33	− 3
	Wick Ⓢ	56	33	50·6	38·0	43·9	− 4·4	30	11	6	0·39	− 0·01	*	*	*	*
	Lairg Ⓢ	—	—	—	—	—	—	—	—	6	0·91	+ 0·43	*	*	*	*
	Glencarron Ⓢ	59	32	52·3	35·8	43·6	− 5·6	37	17	6	1·23	+ 0·18	*	*	*	*
	Fort Augustus Ⓢ	62	30	54·4	38·5	46·0	− 4·4	43	10	5	1·35	+ 0·88	19·5	− 11·2	17	− 10
1. SCOTLAND, E.	Nairn Ⓢ	62	33	54·1	38·6	45·9	− 4·4	42	10	5	0·80	+ 0·42	*	*	*	*
	Aberdeen Ⓢ	60	34	51·6	40·1	45·5	− 3·9	32	5	6	0·60	+ 0·15	8·9	− 34·9	8	− 30
	Braemar Ⓢ	55	34	50·2	37·0	43·2	− 3·9	29	14	5	1·39	+ 0·89	*	*	*	*
	Clathick Ⓢ	64	32	57·5	37·6	47·0	− 4·0	53	12	5	1·22	+ 0·67	*	*	*	*
	Leith Ⓢ	62	37	56·4	41·9	48·7	− 2·4	47	0	4	0·23	− 0·16	*	*	*	*
	Marchmont Ⓢ	61	34	54·6	39·6	46·7	− 2·4	43	7	4	0·40	− 0·14	24·8	− 17·3	21	− 15
2. ENGLAND, N.E	Alnwick Castle Ⓜ	66	35	58·2	41·4	49·3	+ 0·2	54	2	5	0·20	− 0·26	*	*	*	*
	Durham Ⓜ	63	34	55·2	39·5	46·9	− 3·3	45	7	2	0·08	− 0·35	25·7	− 13·7	23	− 12
	Shields Ⓜ	64	36	56·3	41·0	48·2	− 1·5	48	3	1	0·03	− 0·34	*	*	*	*
	Scarborough Ⓜ	66	36	57·5	42·5	49·6	− 1·0	53	0	2	0·05	− 0·39	30·8	—	27	—
	Spurn Head Ⓜ	67	39	56·7	44·3	50·1	− 0·9	57	0	2	0·02	− 0·33	*	*	*	*
	Lincoln Ⓜ	69	31	57·7	40·2	48·4	− 4·1	52	5	1	0·01	− 0·42	*	*	*	*
	Fulbeck (Lincolnshire) Ⓜ	67	29	58·6	39·9	48·7	− 3·7	56	6	1	0·02	− 0·41	33·5	—	30	—
3. ENGLAND, E.	Hillington Ⓜ	68	30	59·7	38·1	48·3	− 3·9	60	11	1	0·01	− 0·41	42·0	− 5·4	38	− 5
	Yarmouth Ⓜ	60	39	55·0	44·1	49·2	− 2·1	50	0	4	0·12	− 0·28	*	*	*	*
	Geldeston Ⓜ	71	33	59·6	39·7	49·1	− 2·9	59	6	2	0·06	− 0·34	39·4	− 10·9	35	− 10
	Cambridge Ⓜ	72	34	60·1	39·9	49·4	− 3·8	61	6	0	0·00	− 0·43	44·8	− 1·5	40	− 1
	Felixstowe Ⓜ	60	32	55·1	41·7	48·0	− 3·1	43	1	1	0·02	—	44·9	—	40	—
	Clacton-on-Sea Ⓜ	62	35	56·7	42·9	49·4	− 1·5	52	0	1	0·02	—	45·9	—	41	—
	Rothamsted Ⓜ	69	32	59·1	39·3	48·6	− 3·5	58	8	0	0·00	− 0·46	45·5	+ 0·8	41	+ 1
	Shoeburyness Ⓜ	71	34	60·7	43·3	51·5	+ 0·4	67	0	1	0·01	− 0·29	*	*	*	*
4. MIDLAND COUNTIES	Harrogate Ⓜ	65	31	56·1	39·3	47·2	− 2·6	48	8	1	0·01	− 0·46	34·3	—	30	—
	Bawtry (Hesley Hall) Ⓜ	70	29	60·7	38·6	49·0	− 3·2	63	10	0	0·00	− 0·45	*	*	*	*
	Nottingham Ⓜ	68	30	58·3	39·6	48·4	− 4·1	55	7	1	0·01	− 0·46	35·0	—	31	—
	Colly Weston (Stamford) Ⓜ	72	32	60·9	40·0	49·8	− 3·1	63	6	0	0·00	− 0·45	*	*	*	*
	Cheadle Ⓜ	64	31	56·6	39·7	47·6	− 3·1	49	6	1	0·02	− 0·43	*	*	*	*
	Birmingham (Edgbaston) Ⓜ	67	34	57·8	41·1	49·0	− 2·9	53	3	0	0·00	− 0·54	30·3	—	27	—
	Shrewsbury Ⓜ	68	33	59·4	40·5	49·4	− 3·4	58	4	0	0·00	—	*	*	*	*
	Hereford Ⓜ	67	32	59·3	38·7	48·4	− 4·9	59	9	0	0·00	− 0·47	*	*	*	*
	Cirencester Ⓜ	66	? 31	58·5	? 36·7	47·0	− 5·0	57	15	0	0·00	− 0·50	39·7	− 7·0	36	− 6
	Oxford Ⓜ	68	32	59·6	41·4	50·0	− 3·5	59	2	0	0·00	− 0·42	35·2	− 9·8	32	− 9
	Westminster Ⓜ	70	37	59·9	42·1	50·5	− 4·2	60	0	0	0·00	—	41·2	+ 3·5	37	+ 3
5. ENGLAND, S.	London (Brixton) Ⓜ	74	36	61·3	41·1	50·6	− 4·1	64	3	0	0·00	− 0·39	41·4‡	− 0·6‡	37‡	− 1‡
	Wisley (Surrey) Ⓜ	71	29	60·2	38·8	48·9	− 5·9	62	9	0	0·00	—	47·2	—	43	—
	Swarraton (Alresford) Ⓜ	68	28	59·6	35·4	46·8	− 5·0	61	18	0	0·00	− 0·44	*	*	*	*
	Tunbridge Wells Ⓜ	69	31	60·2	39·0	49·0	− 3·5	62	8	0	0·00	—	54·2	—	49	—
	Dungeness Ⓜ	63	35	56·9	41·1	48·5	− 4·6	49	3	0	0·00	− 0·30	*	*	*	*
	Hastings (St. Leonards) Ⓜ	63	37	56·7	42·8	49·3	− 3·8	51	0	1	0·02	− 0·35	58·2	+ 4·6	53	+ 4
	Southampton Ⓜ	69	35	62·0	41·8	51·3	− 3·3	66	1	0	0·00	− 0·41	60·3	+ 10·8	55	+ 10
	Portland Bill Ⓜ	60	38	56·7	44·0	50·0	− 2·7	56	0	0	0·00	—	*	*	*	*
	Shaftesbury Ⓜ	64	34	58·5	41·3	49·4	− 2·6	55	2	0	0·00	− 0·47	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart) Ⓢ	58	33	54·8	42·7	48·4	− 2·9	45	0	5	1·37	+ 0·51	*	*	*	*
	Glasgow Ⓢ	61	36	55·1	42·6	48·5	− 2·5	46	0	4	1·01	+ 0·44	19·0	− 19·0	16	− 16
	Cally Ⓢ	62	31	60·0	40·9	49·9	− 1·0	60	3	4	0·47	− 0·19	*	*	*	*
	Aspatria Ⓢ	61	33	56·0	42·2	48·7	− 2·0	47	0	3	0·29	—	33·0	—	29	—
	Douglas (Isle of Man) Ⓢ	59	32	54·8	43·6	48·9	− 2·2	48	0	3	0·22	− 0·28	46·8	− 4·9	41	− 4
7. ENGLAND, N.W.	Newton Rigg Ⓜ	61	29	55·4	40·0	47·2	− 2·4	45	6	4	0·10	—	27·5	—	24	—
	Stonyhurst Ⓜ	65	34	56·2	41·5	48·4	− 3·1	47	1	1	0·01	− 0·63	36·2	− 8·4	32	− 8
	Blackpool Ⓜ	62	32	55·7	39·9	47·3	− 4·9	46	6	0	0·00	− 0·46	41·6	− 3·7	37	− 3
	Manchester (Prestwich) Ⓜ	67	30	56·7	40·0	47·9	− 3·6	50	6	1	0·01	− 0·56	30·8	—	27	—
	Liverpool Obsy. (Bidston) Ⓜ	68	40	57·4	43·7	50·1	− 2·7	57	0	2	0·05	− 0·38	36·4	—	32	—
	Chester (Hawarden Bridge) Ⓜ	71	36	58·2	42·7	50·0	− 3·7	56	0	0	0·00	—	*	*	*	*
	Llandudno Ⓜ	66	40	57·1	44·6	50·5	− 2·2	60	0	0	0·00	− 0·42	50·4	+ 4·1	45	+ 4
	Holyhead Ⓜ	59	40	55·3	45·7	50·2	− 2·1	57	0	2	0·07	− 0·35	*	*	*	*
	Bettws-y-Coed Ⓜ	65	35	57·8	43·3	50·1	− 2·0	57	0	2	0·08	—	40·2	—	36	—
8. ENGLAND, S.W.	Llangammarch Wells Ⓜ	65	26	57·1	34·4	45·1	− 6·1	54	21	2	0·07	—	44·9	—	40	—
	Pembroke Ⓜ	56	36	54·4	42·1	47·9	− 3·8	41	0	1	0·06	− 0·38	43·7	− 8·3	39	− 7
	Cardiff Ⓜ	68	31	59·2	37·8	47·9	− 4·9	59	12	0	0·00	—	*	*	*	*
	Clifton Ⓜ	67	36	61·4	42·5	51·4	− 1·7	66	0	0	0·00	− 0·52	*	*	*	*
	Bath Ⓜ	66	32	59·4	39·7	49·0	− 4·6	59	6	0	0·00	− 0·47	52·6	—	47	—
	Arlington (N. Devon) Ⓜ	65	34	57·7	40·6	48·6	− 3·0	52	4	0	0·00	− 0·64	*	*	*	*
	Cullompton Ⓜ	69	31	60·0	38·9	48·8	− 4·7	61	9	0	0·00	− 0·47	50·0	+ 4·0	46	+ 4
	Falmouth Ⓜ	64	41	58·3	45·3	51·4	− 1·8	66	0	0	0·00	− 0·56	52·3	− 1·1	48	− 1
	Plymouth Ⓜ	61	39	57·5	44·0	50·1	− 4·0	59	0	0	0·00	− 0·45	61·0	+ 11·0	55	+ 10
9. IRELAND, N.	Malin Head Ⓜ	63	37	55·1	43·4	48·9	− 2·0	48	9	5	0·79	+ 0·29	*	*	*	*
	Edenfel (Omagh) Ⓜ	64	30	58·9	42·6	50·3	− 0·5	58	0	3	0·75	+ 0·19	*	*	*	*
	Blacksod Point Ⓜ	60	47	56·6	48·6	52·4	+ 0·4	73	0	4	0·38	− 0·25	*	*	*	*
	Markree Castle Ⓜ	63	31	58·9	43·7	50·8	0·0	62	0	4	0·55	− 0·05	25·2	− 17·2	22	− 15
	Armagh Ⓜ	66	34	58·6	43·5	50·6	− 0·9	60	0	3	0·74	+ 0·24	32·8	− 9·1	29	− 8
	Donaghadee Ⓜ	63	36	55·6	44·9	49·9	− 1·5	55	0	4	0·29	− 0·21	*	*	*	*
10. IRELAND, S.	Dublin Ⓜ	67	38	60·3	47·0	53·3	0·0	79	0	2	0·13	− 0·32	32·5	− 15·8	29	− 14
	Birr Castle Ⓜ	66	36	59·9	44·1	51·5	− 0·7	67	0	3	0·34	− 0·19	27·4	− 14·2	24	− 13
	Kilkenny Ⓜ	62	33	58·6	44·4	51·1	− 1·5	64	0	2	0·58	+ 0·08	*	*	*	*
	Waterford Ⓜ	63	33	59·4	45·4	52·0	− 0·2	70	0	4	0·53	− 0·01	*	*	*	*
	Roche's Point Ⓜ	62	40	58·4	47·0	52·4	− 1·1	73	0	3	0·69	+ 0·04	*	*	*	*
	Valencia Ⓜ	65	37	59·3	46·9	52·7	− 0·4	75	0	4	0·98	+ 0·28	48·0	+ 0·5	43	+ 1
	Killarney Ⓜ	67	38	62·6	46·3	54·0	+ 1·1	84	0	3	0·59	− 0·08	*	*	*	*
	Foynes Ⓜ	72	39	70·4	44·8	56·8	+ 4·5	104	0	1	0·08	− 0·45	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's) Ⓜ	62	43	57·7	47·7	52·4	− 1·1	73	0	0	0·00	− 0·37	56·1	+ 1·1	52	+ 1
	Jersey (St. Aubyn's) Ⓜ	68	35	59·1	46·0	52·2	− 2·4	71	0	0	0·00	− 0·42	60·4	+ 3·4	55	+ 3

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

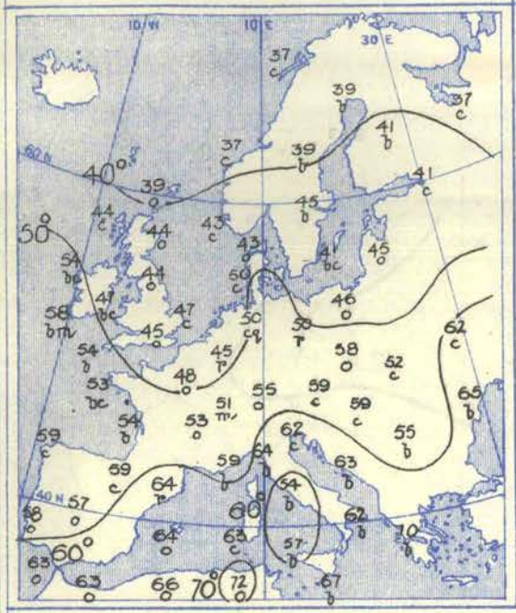
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

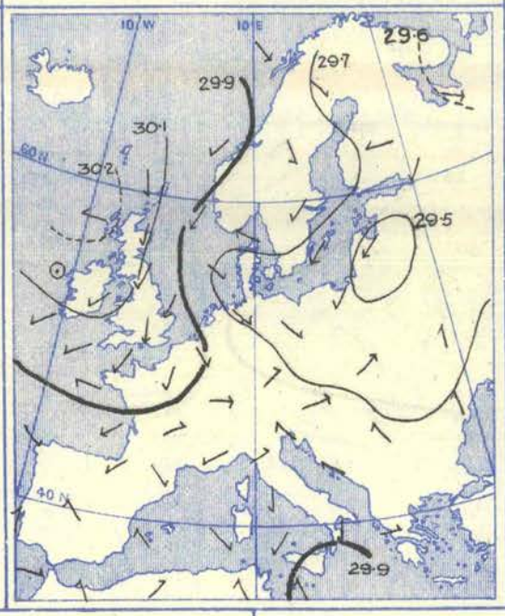
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 21st May, 1905.

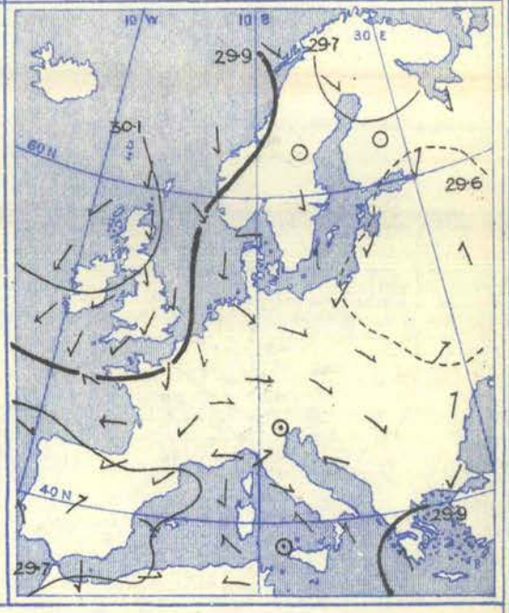
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Sweden, Finland, Italy, the Riviera, and a few other localities over southern Europe; cloudy or overcast elsewhere, with showers at Spurn Head and rain at Brussels and at several German stations and Warsaw. Rain later over the Spanish Peninsula and in various other parts of the Continent. Slight amounts generally, but half an inch at Lisbon.

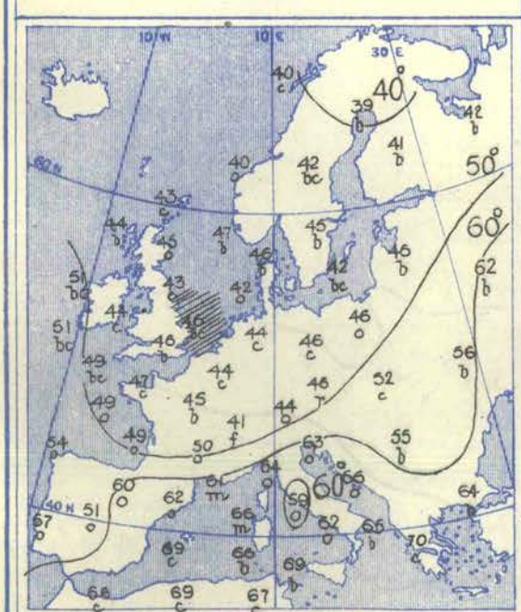
Temperature fallen in most regions. Morning readings ranging from 72° at La Calle and 70° in Greece to below 50° at most stations in the northern half of our area, and to below 40° at Sumburgh Head, over the north of Scandinavia, and at Archangel. Rising during day to 84° at Sfax, 81° at Athens, and to above 70° in the south generally. Continuing very low over Great Britain and northern Europe, but touching 65° at Valencia Island. Maxima only a little above 60° on the coast of Portugal.

Wind at 8 a.m. Northerly or North-Easterly over the United Kingdom and all the western regions of the Continent, moderate generally, fresh in the east of England and strong in the south of Norway. A cyclonic circulation prevailing around Poland and its vicinity and light, variable airs on the shores of the Mediterranean. No important change later.

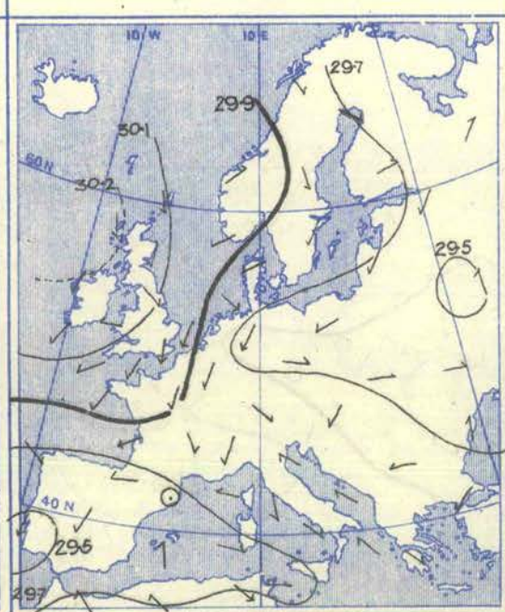
Barometer in morning highest, 30·2 ins. and upwards in an anticyclone off our most north-western coasts and above 30·0 ins. over almost the whole of our Islands. Lowest, 29·5 ins. and less in a large depression having its centre near Vilna. Relatively low in other disturbances over the Mediterranean and the south of Spain, and also over the White Sea. Subsequent changes slight and irregular.

Monday, 22nd May, 1905.

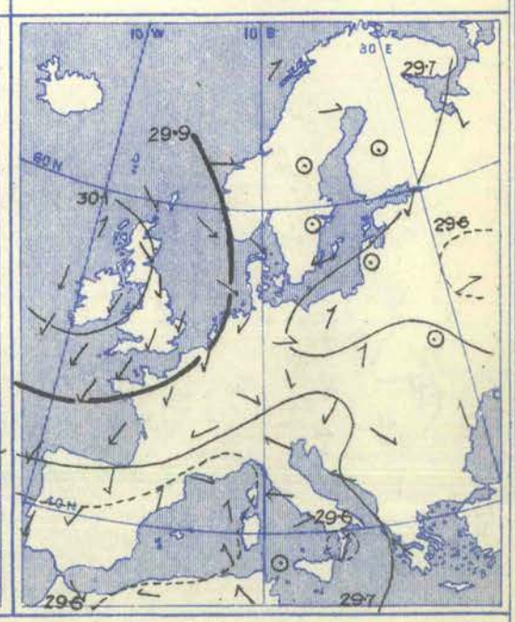
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine and bright in most parts of our Islands, Scandinavia, Finland, and Russia, but overcast or very cloudy in most other regions; rainy at Prague. Slight rain falling later in the north of Scotland and East Anglia and larger quantities in various parts of the Continent and in Algeria—largest amounts, 0·5 in. at Nemours and Vienna and 0·9 in. at Cracow.

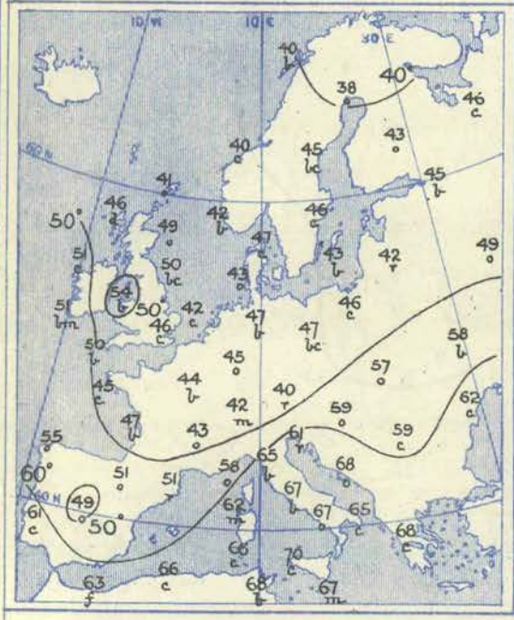
Temperature changed little over the United Kingdom, fallen in many Continental districts. Morning readings highest, 70° at Patras, 69° at Palermo, Palma, and Algiers, and above 60° in the south generally, as well as at Moscow. Lowest, 39° at Ulcaborg, 40° or not many degrees higher in most other northern regions and also at Aix-la-Chapelle and Belfort. Maxima during day 49° or 50° on our north-east coasts, 58° in central and western Ireland; below 60° in Germany and most parts of France (only 49° at Besançon), but about 70° in Austria-Hungary, several degrees higher in Italy and Algeria, 81° at Tunis, and 84° at Patras.

Wind in morning showing several partial or complete cyclonic circulations in the east, centre, and south of our area, and a Northerly to North-Easterly current over Scandinavia, Denmark, the United Kingdom, France, and the Bay of Biscay. Not strong in force generally, but blowing a fresh breeze in the east of England and a moderate gale at Copenhagen. Moderating in force later, and a light Southerly wind setting in at Stornoway, but not much change taking place as a whole.

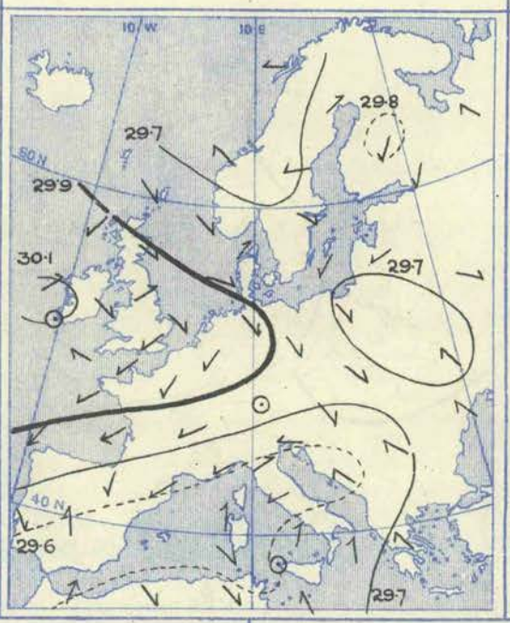
Barometer at 8 a.m. highest, 30·2 ins. and above to 30·0 ins. in a large anticyclone extending from the Atlantic over the United Kingdom and the west of Norway. Lowest over Germany, Russia, and the south-west of Spain—Swinemünde 29·61 ins., Moscow 29·5 ins., and Lisbon 29·47 ins. Central portion of anticyclone continuing to move in a westerly or south-westerly direction during day, but not much change occurring in the general distribution of pressure.

Tuesday, 23rd May, 1905.

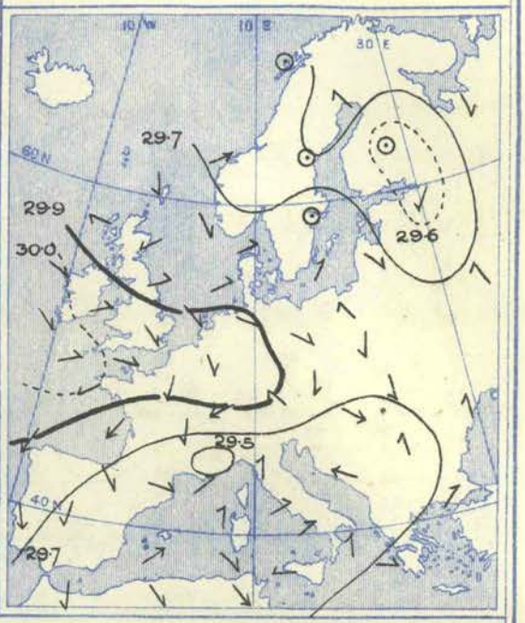
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. varying considerably. Fine or fair in most places, but rainy in the Hebrides, at Perpignan, Memel, Trieste, and in several parts of central Europe. Heavy rain later in Spain, the extreme south of France, the north of Italy and Hungary, as well as at St. Petersburg and Munich—largest amounts, 1·0 in. at Buda-Pesth, 1·2 in. at Toulouse, and 1·3 in. at Madrid. Slight falls in the north and north-west of our Islands.

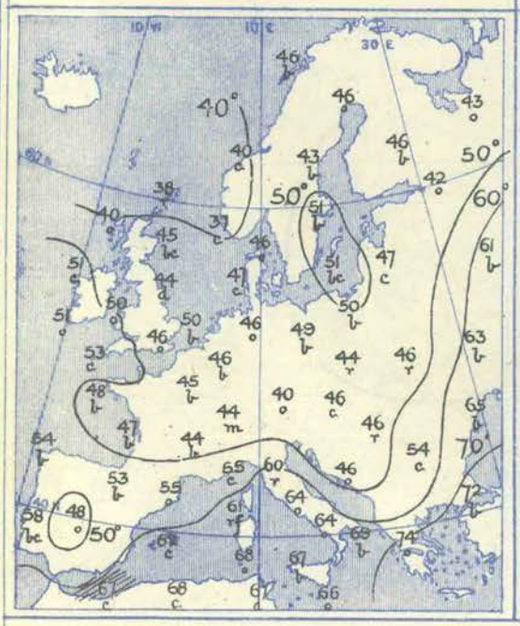
Temperature fallen generally, but risen a little over our Islands. Morning values ranging from 70° at Palermo, 68° in Greece and at Lesina, and 66° at Algiers, to about 50° at a few of our own stations and in the south-west of France, to a little above 40° in nearly all parts of central Europe, and to 40° or below in the north-west and north of Scandinavia. Rising later to 90° at Sfax, 85° at Brindisi, 82° at Malta, and to above 70° in most of the extreme southern districts. Not rising above 52° over the greater part of Germany and Austria, but touching 69° at North Shields and Roche's Point.

Wind in morning North-Westerly over the north and east of these Islands, the North Sea, Denmark, and Germany, and North-Easterly on our southern coasts, France, and the Spanish Peninsula. Moderate or light generally, but strong at Rochefort and Corunna. Feeble cyclonic circulations prevailing over the eastern half of the Continent and on the Mediterranean. Becoming very variable in the south-east of England and over Scotland. A strong Southerly gale reported from Sfax, and moderate gale from North-North-West at Tunis.

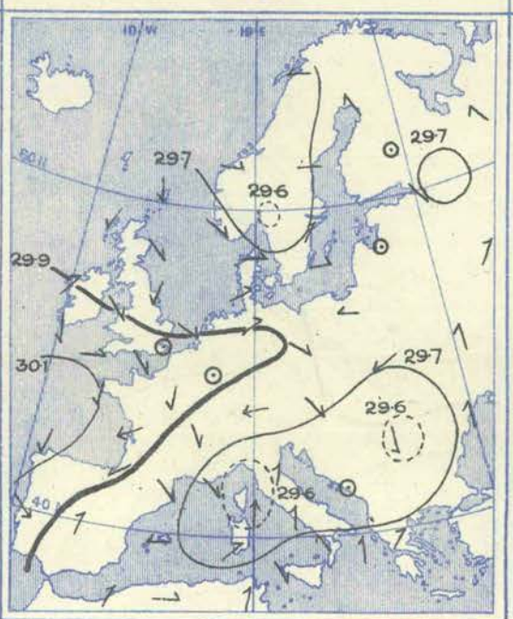
Barometer at 8 a.m. varying between 30·1 ins. and 29·9 ins. in an anticyclone extending from the Atlantic to the west of Germany, to 29·7 ins. and less in a shallow depression centred over West Russia, and to below 29·6 ins. in a shallow and irregularly shaped system stretching eastwards from the Atlantic to Italy. Russian depression moving northwards during day and that in the south travelling eastwards. Anticyclone taking up a position further to the southward and barometer falling slowing over our Islands.

Wednesday, 24th May, 1905.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

Weather at 8 a.m. fine and bright over the greater part of France and Scandinavia; cloudy or overcast in nearly all other regions, with rain at some stations in central Europe, in the north of Italy, and, locally, over the more northern parts of Great Britain. Heavy rain later at Trieste (1·3 in.) and slight quantities in some parts of Scandinavia and at Tunis.

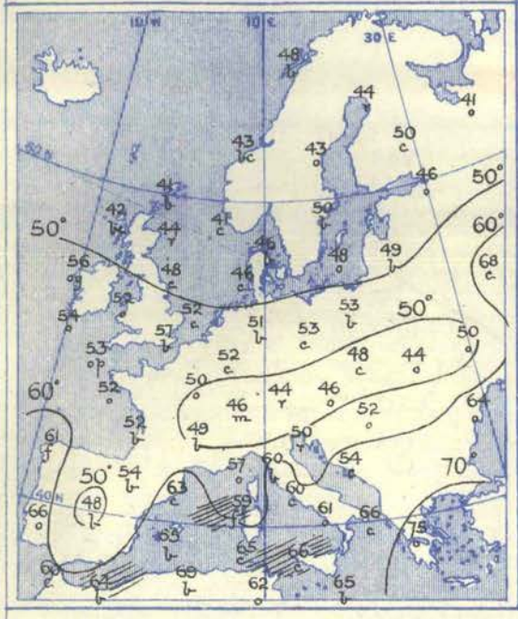
Temperature fallen in Scotland and in some Continental regions, but changed little or risen as a whole. Morning values, 74° at Patras, 72° at Constantinople, 69° at Brindisi, 68° at Algiers and Cagliari, and above 60° over the southern half of Russia. As low as 37° and 38° respectively at Skudesnaes and Sunburgh Head and below 45° in many parts of Scandinavia, Finland, Poland, Great Britain, and France; 48° at Madrid, and 50° at Cape Sicié. Rising subsequently to 61° in the south of England, a few degrees higher in most parts of France, to 70° or above in Italy, 88° at Tunis and Sfax, and 90° at Patras.

Wind at 8 a.m. light or moderate very generally; mainly North-Westerly over our Islands, Westerly in Denmark, Southerly at Stockholm, and Easterly in the north of Scandinavia. Other cyclonic circulations prevailing over the southern regions and also the north of Russia. Becoming very light and variable over the United Kingdom by evening.

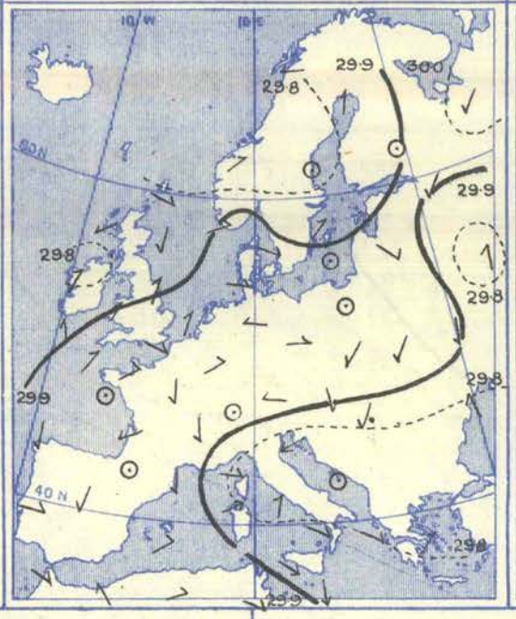
Barometer in morning highest, 30·0 ins. to 29·9 ins. and upwards in an anticyclonic wedge extending from the Bay of Biscay to Berlin. Lowest, 29·6 ins. and less in depressions centred over the Gulf of Genoa, Transylvania, and the Christiania Fjord, and below 29·7 ins. to the east of St. Petersburg. Pressure changing little and irregularly over our Islands during day, rising somewhat over the Bay of Biscay, central Europe, and northern Russia.

Thursday, 25th May, 1905.

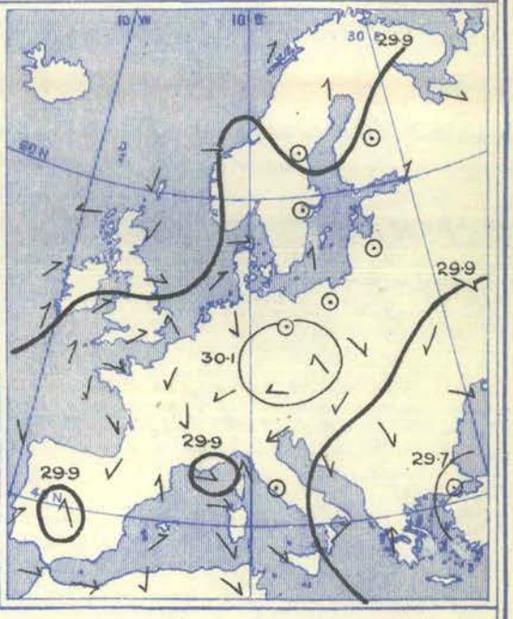
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in a few localities, but cloudy or overcast generally. Showery at Scilly, rainy at some Irish and Scotch stations, at Uleaborg, Munich, Trieste, and in the north of Italy, and foggy at Corunna. Rain experienced later in the west and north of our Islands (slight generally, but 0·6 in. at Valencia and 0·5 in. at Malin Head), and also at Lisbon, Nemours, and in some parts of Scandinavia.

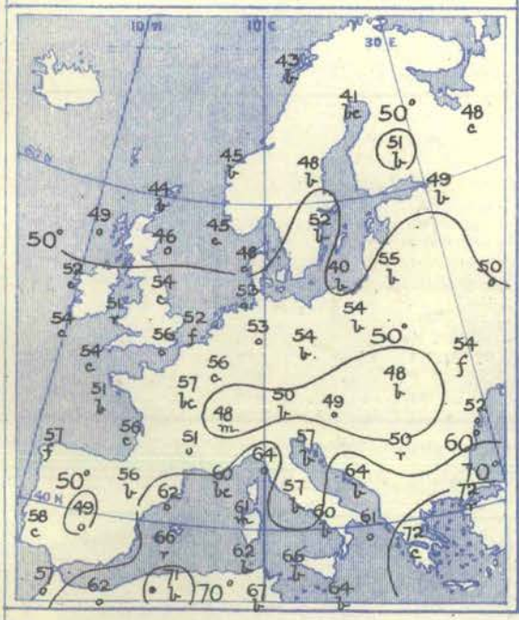
Temperature risen as a whole, fallen in Italy. Morning values highest, 75° at Patras, 69° at Algiers, 66° at Lesina, and 68° at Moscow. Lowest, 41° at Archangel and in the Shetlands, 42° at Nairn, 43° at Hernösand, 44° at Munich and Lemberg, 48° at Madrid, and 50° at Paris. Rising later to 65° at Margate, to 70° or above in a few parts of France, Spain, Italy, and Algeria, and to 86° or 87° at Athens and Constantinople. Maximum only 50° at Lemberg and 57° at Trieste.

Wind at 8 a.m. light from South or South-West over England and Ireland, and from variable directions or East in Scotland. Light to strong cyclonic winds from different quarters prevailing over Italy and its vicinity and feeble cyclonic circulations over Russia and Scandinavia. Little change later as a whole, but a moderate gale from East-North-East setting in at Trieste.

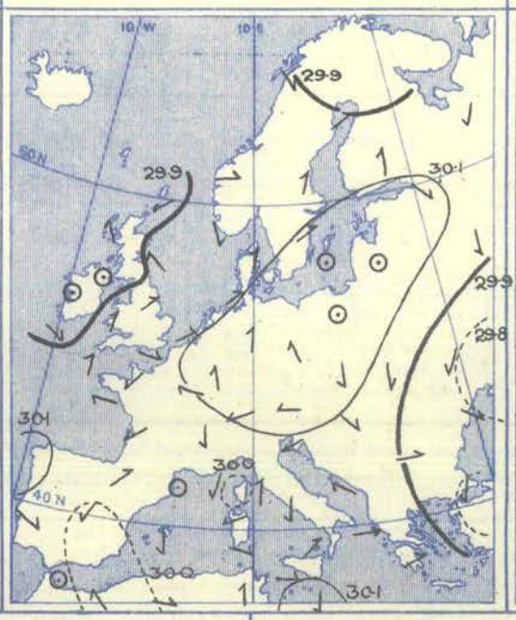
Barometer at 8 a.m. highest, above 30·0 ins. in an irregular area extending from the north-west of Africa across Spain and the Bay of Biscay and thence to Poland. Lowest, 29·8 ins. and less in depressions over central Russia, Italy, and south-eastern Europe, the north of Scandinavia, and over the west of Scotland. Pressure subsequently becoming highest over central Europe and the cyclonic disturbances undergoing some modification both in form and intensity. Russian depression disappearing, but a local minimum forming over Spain.

Friday, 26th May, 1905.

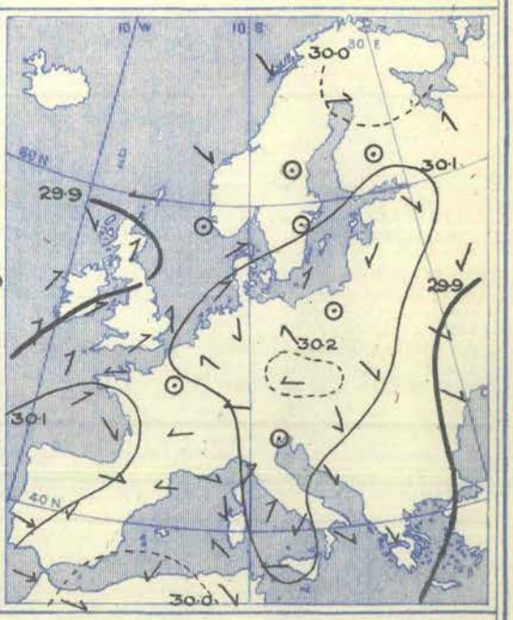
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most places, but rainy at some of our own north-western and northern stations, at Palma, Hermanstadt, and Constantinople. Fog prevailing at Corunna. Slight rain in the west and north of our Islands during day and a severe thunderstorm, accompanied by 2·6 ins. of rain at Algiers. Smaller amounts falling in other parts of the north coast of Africa and 0·8 in. at Madrid.

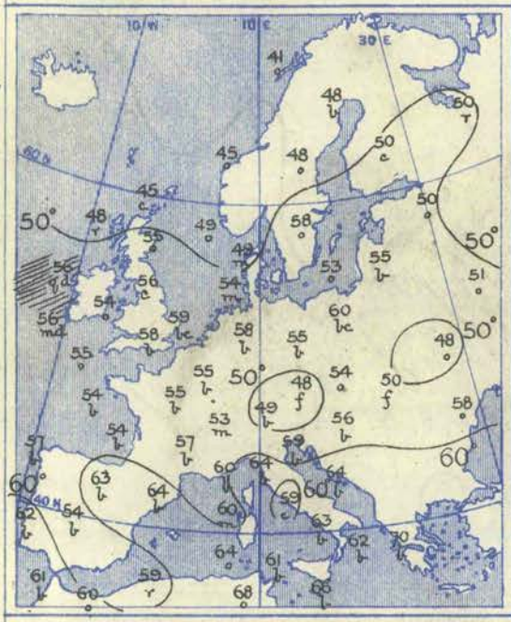
Temperature risen generally, but fallen in a few localities—briskly at Moscow. Morning readings ranging from 72° at Constantinople and Patras, 71° at Algiers, 66° at Palermo, and 64° at Leghorn, to below 50° at Madrid, over Scotland, Scandinavia, and northern Russia. Lowest value, 41° in the west and north of Norway and at Haparanda. Rising later to 69° at Margate, to a few degrees higher in some parts of southern Europe and Algeria, to 81° at Athens, and to 90° at Sfax.

Wind at 8 a.m. light and anticyclonic over the major portion of our area but cyclonic in the far north-west, north, and south-east. Scarcely any change taking place later.

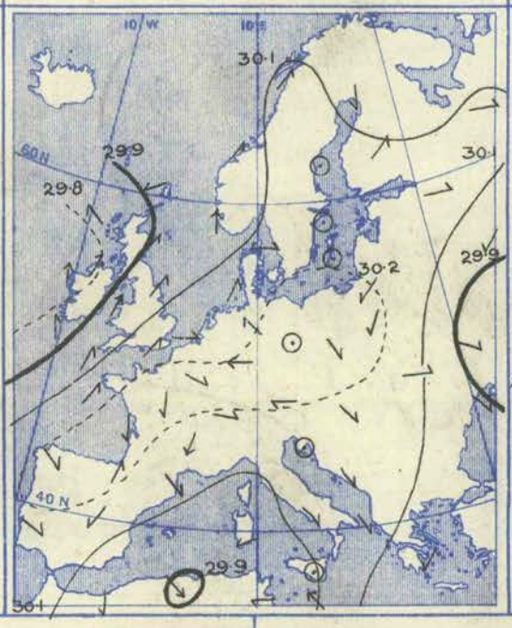
Barometer in morning highest, 30·1 ins. to nearly 30·2 ins. in a large area extending from the north-west of France and central Europe to St. Petersburg. Lowest, 29·8 ins. and less in a depression in the south-west of Russia and almost as low over our own western and northern districts and over Lapland. High pressure system undergoing some modification in form later and another anticyclone extending from the north-west of Spain over the Bay of Biscay. Russian disturbance travelling away eastwards during day.

Saturday, 27th May, 1905.

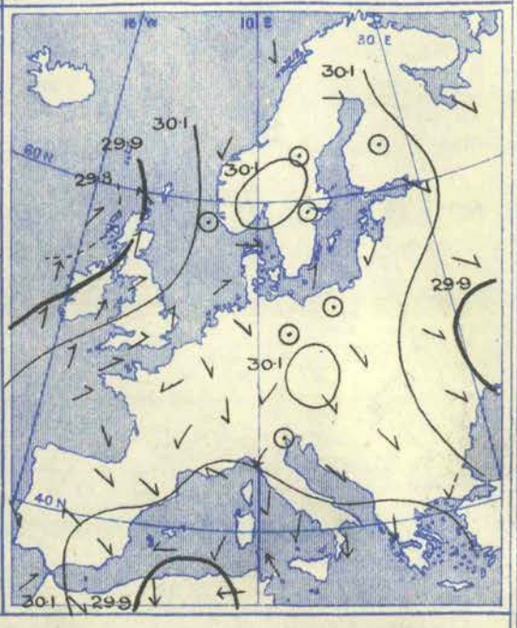
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over most of central and southern Europe and the south-east of England, cloudy or overcast elsewhere, with rain at some of our own western and northern stations, at Archangel and Nicolaieff, and also at Algiers and Nemours. Half an inch of rain falling later at Roche's Point and smaller quantities in the west and north of our Islands. Thunderstorms and heavy rain in Algeria and Tunis.

Temperature risen in most places. Morning values as high as 70° in Greece, 68° at La Calle, above 60° in most other southern localities, and only slightly below it in the south-east of England. Below 50° at a few stations in central Europe, over Norway, and the north of Sweden. Lowest value, 41° at Bodö. Rising later to 70° in London, to above it over the southern half of the Continent, and to 81° at Tunis.

Wind in morning varying a good deal locally, but mainly Southerly or South-Westerly in the west and north-west of our area, and from some Northerly or Easterly point in the south. Fresh or strong at Skudesnaes and on parts of our own west coasts. Increasing in force later to a moderate gale from South-South-East at Palermo, and from East at Tunis.

Barometer in morning highest, 30·2 ins. and upwards in an irregularly shaped anticyclone stretching from Spain to Poland. Lowest, 29·8 ins. and less in a depression off the west of Scotland, and nearly as low in another system centred near Algiers. Scotch disturbance travelling northwards during day, but little change taking place in the general distribution of pressure. Anticyclone increasing in size.

IV.—GENERAL NOTES.

During the earlier days of the period the barometer was highest in an anticyclone extending from the Atlantic over our Islands, while depressions were shown both in the east and south of our area. The anticyclone subsequently moved eastwards and eventually covered the greater part of the Continent, while depressions skirted our own western and north-western coasts. The centres of these systems remained some distance out on the Atlantic and the wind, except at the end of the week, was not often stronger than a moderate breeze. Temperature was low nearly everywhere during the first few days under the influence of the prevailing Northerly to Easterly wind current, but rose to about its normal level by the end of the week. A sharp frost was experienced over the central parts of England during the night of the 22nd-23rd. Scarcely any rain was reported over England and not much over the greater part of the Continent, but some large quantities were again measured in the northern parts of Italy, and occasional falls over the central countries of Europe. Quite at the end of the week thunderstorms brought extremely heavy falls to Algiers.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 122.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	17·9	-22·1	15	- 18	CROMER	40·8	—	36	—	BOGNOR	68·2	—	62	—
STRATHPEFFER SPA	16·7	-22·9	14	- 19	LOWESTOFT	47·4	—	42	—	VENTNOR HOSPITAL	69·1	+ 18·7	63	+ 17
CRATHES	6·0	—	5	—	DUNMOW	41·1	—	37	—	BOURNEMOUTH	63·6	—	58	—
BALRUDDERY	10·8	—	9	—	SHEFFIELD	36·3	—	32	—	MARLBOROUGH	45·5	+ 2·5	41	+ 2
EDINBURGH	11·8	-25·7	10	- 22	WORKSOP	28·9	- 10·4	26	- 9	SOUTHPORT	35·8	—	32	—
COCKLE PARK	25·9	—	23	—	MARGATE	62·4	+ 18·2	56	+ 16	RHYL	45·9	—	41	—
NEWCASTLE-on-TYNE	15·8	—	14	—	BROADSTAIRS	—	—	—	—	ABERDOVEY	45·8	—	41	—
SALTBURN-by-the-SEA	29·8	—	26	—	RAMSGATE	76·2	—	69	—	TENBY	45·4	- 6·0	41	- 5
YORK	20·9	-20·6	18	- 18	EASTBOURNE	60·8	+ 2·3	55	+ 9	TORQUAY	62·6	+ 10·6	57	+ 10
SKEGNESS	48·3	—	38	—	BRIGHTON	68·8	+ 18·3	63	+ 17	NEWQUAY	59·2	+ 8·3	54	+ 8
					WORTHING	65·7	—	60	—	GUERNSEY	65·6	+ 6·3	60	+ 6

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 17, page 98	Fulbeck	—	—	—	—	—	—	—	—	—	0·24	-0·16	—	—	—	—
„ 20 „ 116	Cirencester	—	—	—	?41·9	?51·6	+ 1·2	68	0	—	—	—	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No 22. TWENTY-SECOND WEEK, ENDING SATURDAY, JUNE 3RD, 1905. *Price 6d. Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 128.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	69	39	59·5	46·7	52·7	3 above	75	+15	0	− 4	395	−55	476	− 79
	1. SCOTLAND, EAST	70	37	63·2	47·6	54·9	4 above	90	+18	0	− 3	530	−32	505	− 99
	2. ENGLAND, N.E.	75	41	67·4	51·0	58·7	6 above	117	+45	0	− 1	627	+62	374	−123
	3. ENGLAND, EAST	81	43	68·7	51·4	59·5	6 above	123	+34	0	− 1	702	− 9	349	−193
	4. MIDLAND COUNTIES	79	39	68·4	49·2	58·2	5 above	113	+22	0	− 2	733	−14	394	−157
	5. ENGLAND, SOUTH	84	43	68·1	51·1	59·1	4 above	120	+22	0	0	762	−43	268	−135
Principal Grazing Districts.	6. SCOTLAND, WEST	67	39	60·5	48·4	54·1	2 above	85	+ 6	0	− 1	609	− 3	313	−112
	7. ENGLAND, N.W.	73	36	63·2	50·2	56·3	3 above	100	+14	0	− 1	651	+ 3	273	−131
	8. ENGLAND, S.W.	73	38	64·2	49·7	56·5	2 above	102	+11	0	0	758	−30	222	− 85
	9. IRELAND, NORTH	65	40	60·6	48·6	54·2	2 above	85	+ 4	0	− 1	676	−20	271	− 81
	10. IRELAND SOUTH	73	40	62·8	50·2	56·1	2 above	99	+10	0	0	872	+25	166	− 92
	— CHANNEL ISLANDS	74	49	64·1	52·0	57·7	2 above	110	+12	0	0	996	+63	55	− 65

Rainfall.

	DISTRICTS. (See p. 128.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	9	3 more	122	+27	22·9	+ 5·4
	1. SCOTLAND, EAST	5	4	1 less	93	+13	10·1	− 1·3
	2. ENGLAND, N.E.	3	2	3 less	70	− 5	5·7	− 3·2
	3. ENGLAND, EAST	3	4	0 (average)	75	− 1	6·7	− 1·8
	4. MIDLAND COUNTIES	4	3	2 less	75	+ 3	7·4	− 2·6
	5. ENGLAND, SOUTH	3	2	2 less	73	+ 2	8·8	− 1·5
Principal Grazing Districts.	6. SCOTLAND, WEST	5	13	7 more	96	+14	18·8	− 0·2
	7. ENGLAND, N.W.	3	4	1 less	83	+ 6	10·8	− 1·2
	8. ENGLAND, S.W.	4	3	3 less	79	0	12·3	− 2·0
	9. IRELAND, NORTH	6	8	2 more	105	+11	14·1	+ 0·8
	10. IRELAND, SOUTH	4	4	2 less	97	+12	14·8	− 1·1
	— CHANNEL ISLANDS	4	1	3 less	87	+ 3	10·9	− 1·3

Bright Sunshine.

	DISTRICTS. (See p. 128.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	43	+ 5	35	+ 4	454	−50	25	− 3
	1. SCOTLAND, EAST	52	+13	43	+11	526	−51	29	− 3
	2. ENGLAND, N.E.	45	− 4	39	− 3	573*	−54	31	− 3
	3. ENGLAND, EAST	55	+ 7	48	+ 6	679	+31	37	+ 2
	4. MIDLAND COUNTIES	40	− 4	35	− 3	556*	+ 7	30	0
	5. ENGLAND, SOUTH	50	+ 2	44	+ 2	669	+31	37	+ 2
Principal Grazing Districts.	6. SCOTLAND, WEST	38	−10	33	− 9	585	+ 9	32	+ 1
	7. ENGLAND, N.W.	43	+ 1	37	+ 1	596	+69	33	+ 4
	8. ENGLAND, S.W.	40	− 9	36	− 8	635	−17	35	− 1
	9. IRELAND, NORTH	41	0	35	0	623	+64	34	+ 4
	10. IRELAND, SOUTH	38	− 7	34	− 6	605	−25	33	− 1
	— CHANNEL ISLANDS	56	− 1	51	− 1	719	−45	39	− 2

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather. The greater part of the week was fair or fine over England, and unsettled, with occasional rain, in Ireland and Scotland. Some rain was also experienced over England about the middle of the week, accompanied, at many southern and south-eastern stations, by thunder and lightning.

Temperature was above the mean, the excess ranging from 2° in most of the grazing districts to 5° in the Midland Counties, to 6° in England N.E. and E. The highest of the maxima were registered, as a rule, during the earlier days of the week, and ranged from 84° in England S. and 81° in England E. to 69° in Scotland N., 67° in Scotland W., and 65° in Ireland N. The lowest of the minima, recorded either on May 31st or June 1st, varied from 36° in England N.W. and 37° in Scotland E. to 43° in England E. and S., and to 49° in the Channel Islands.

Rainfall was less than the mean over the Kingdom generally, but just equal to it in England E. In Scotland N. and W. and in Ireland N. it exceeded the normal.

Bright Sunshine did not differ very materially from the average. The percentage of the possible duration ranged from 51 in the Channel Islands, 48 in England E., 44 in England S., and 43 in Scotland E., to 34 in Ireland S., and to 33 in Scotland W.

Barometer and Wind. Depressions over the Atlantic affected our most western and northern districts, but the greater part of England was generally under the influence of a high pressure system extending either from the Bay of Biscay or from central Europe. The wind was rather variable at times over England, but its direction over the Kingdom as a whole was South-Westerly. It blew with only moderate strength on most days, but increased to a fresh or strong breeze on nearly all our coasts towards the end of the period and to a moderate gale at some exposed places in the north-west.

3716 Wy. & S. Ltd.
370 6 | 05

II.—DATA from which the SUMMARY on page 127 has been calculated.

May 28-June 3, 1905.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head	57	43	54·1	45·4	49·5	+ 2·3	53	0	6	0·57	+ 0·14	*	*	*	*
	Stornoway	59	42	57·9	47·6	52·4	+ 3·0	73	0	6	0·98	+ 0·43	42·7	0·0	35	0
	Wick	63	44	61·1	47·4	53·8	+ 4·4	83	0	3	0·32	− 0·08	*	*	*	*
	Lairg ℌ	69	40	64·9	45·4	54·6	+ 4·9	88	0	6	0·56	+ 0·06	*	*	*	*
	Glencarron ℌ	62	45	58·6	46·8	52·4	+ 1·9	73	0	6	2·00	+ 0·90	*	*	*	*
	Fort Augustus ℌ	67	39	60·4	47·6	53·6	+ 1·8	81	0	6	0·89	+ 0·41	32·7	+ 2·4	27	+ 2
1. SCOTLAND, E.	Nairn	66	42	63·9	46·6	54·7	+ 3·1	89	0	5	0·36	− 0·03	*	*	*	*
	Aberdeen	67	44	63·6	48·6	55·7	+ 4·8	96	0	5	0·50	+ 0·07	63·0	+ 19·5	53	+ 16
	Braemar ℌ	62	37	58·7	44·8	51·3	+ 2·5	65	0	4	0·20	− 0·30	*	*	*	*
	Clathick ℌ	65	42	62·2	47·8	54·6	+ 2·3	88	0	7	0·75	+ 0·17	*	*	*	*
	Leith	70	44	66·6	50·6	58·1	+ 5·7	113	0	6	0·35	− 0·05	*	*	*	*
	Marchmont ℌ	66	41	64·0	46·9	54·9	+ 4·6	90	0	2	0·12	− 0·43	52·6	+ 11·0	45	+ 9
2. ENGLAND, N.E	Alnwick Castle	75	41	68·7	50·9	59·3	+ 8·9	121	0	3	0·28	− 0·17	*	*	*	*
	Durham	71	44	65·4	49·4	56·9	+ 4·8	104	0	1	0·09	− 0·35	41·0	+ 2·0	35	+ 2
	Shields	72	46	65·6	50·6	57·7	+ 6·5	110	0	2	0·08	− 0·32	*	*	*	*
	Scarborough ℳ	75	49	68·5	51·2	59·3	+ 7·2	121	0	3	0·23	− 0·21	49·8	—	43	—
	Spurn Head	74	50	65·3	51·4	57·9	+ 5·5	111	0	4	0·23	− 0·12	*	*	*	*
	Lincoln	75	47	69·3	51·6	59·9	+ 5·9	125	0	3	0·14	− 0·31	*	*	*	*
	Fulbeck (Lincolnshire)	75	49	69·2	51·7	59·9	+ 5·9	125	0	4	0·20	− 0·24	46·3	—	41	—
3. ENGLAND, E.	Hillington ℳ	79	45	70·0	49·7	59·2	+ 5·4	120	0	3	0·69	+ 0·25	50·5	+ 4·2	44	+ 4
	Yarmouth	73	47	64·7	52·4	58·2	+ 5·5	113	0	3	0·23	− 0·19	*	*	*	*
	Geldeston	79	43	71·4	49·1	59·6	+ 6·1	123	0	3	0·27	− 0·13	58·4	+ 8·9	51	+ 8
	Cambridge	81	46	71·5	51·8	61·1	+ 6·3	134	0	3	0·76	+ 0·32	52·5	+ 6·6	47	+ 6
	Felixstowe	68	49	66·0	51·4	58·3	+ 5·6	114	0	2	0·07	—	65·1	—	58	—
	Clacton-on-Sea	69	49	66·1	52·9	59·1	+ 6·3	120	0	4	0·08	—	61·0	—	54	—
	Rothamsted	78	46	69·8	50·7	59·7	+ 6·1	124	0	4	0·93	+ 0·47	51·5	+ 7·1	46	+ 6
	Shoeburyness	80	50	70·0	52·9	60·9	+ 7·8	132	0	2	0·02	− 0·30	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	73	43	66·4	49·3	57·3	+ 5·9	107	0	2	0·22	− 0·32	45·8	—	40	—
	Bawtry (Hesley Hall)	79	39	70·7	48·0	58·7	+ 5·0	117	0	3	0·13	− 0·33	*	*	*	*
	Nottingham	73	47	68·4	50·6	59·0	+ 5·0	119	0	5	0·25	− 0·26	41·6	—	37	—
	Colly Weston (Stamford)	79	47	71·0	50·7	60·2	+ 5·7	127	0	4	0·90	+ 0·45	*	*	*	*
	Cheadle ℳ	71	45	65·7	48·2	56·4	+ 4·3	101	0	4	0·40	− 0·19	*	*	*	*
	Birmingham (Edgbaston)	72	46	66·8	49·6	57·7	+ 4·2	110	0	4	0·21	− 0·35	33·6	—	29	—
	Shrewsbury	72	43	69·0	49·2	58·5	+ 4·4	116	0	3	0·22	—	*	*	*	*
	Hereford ℳ	71	45	67·4	47·6	56·9	+ 2·1	104	0	4	0·28	− 0·19	*	*	*	*
	Cirencester	74	41	69·6	47·4	57·8	+ 4·3	111	0	4	0·17	− 0·33	40·2	− 6·0	36	− 6
	Oxford	75	48	69·3	51·4	59·8	+ 4·8	125	0	4	0·58	+ 0·14	39·4	− 5·5	35	− 6
	Westminster	79	48	71·4	53·9	62·1	+ 6·0	141	0	3	0·80	—	48·1	+ 10·1	43	+ 9
5. ENGLAND, S.	London (Brixton)	84	46	73·6	51·7	62·0	+ 5·7	140	0	3	0·44	+ 0·02	48·8‡	+ 7·3‡	43‡	+ 7‡
	Wisley (Surrey)	79	47	72·1	50·6	60·7	+ 4·5	131	0	3	0·18	—	52·3	—	47	—
	Swarraton (Alresford) ℳ	77	45	69·6	50·4	59·4	+ 6·3	122	0	3	0·17	− 0·28	*	*	*	*
	Tunbridge Wells ℳ	79	46	70·6	49·7	59·5	+ 6·0	123	0	3	0·34	—	55·9	—	50	—
	Dungeness	67	47	63·9	51·0	57·1	+ 2·7	106	0	3	0·17	− 0·13	50·9	—	46	—
	Hastings (St. Leonards)	74	48	65·7	52·2	58·6	+ 4·1	116	0	2	0·15	− 0·22	51·3	− 1·9	46	− 2
	Southampton	80	43	71·3	52·3	61·2	+ 5·0	134	0	3	0·12	− 0·31	44·0	− 5·5	39	− 5
	Portland Bill	62	51	60·6	52·0	56·0	+ 1·9	98	0	3	0·06	—	*	*	*	*
	Shaftesbury ℳ	72	47	65·2	49·8	57·0	+ 3·5	105	0	4	0·19	− 0·31	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	67	45	61·5	49·9	55·4	+ 2·7	94	0	6	1·59	+ 0·69	*	*	*	*
	Glasgow	64	46	62·3	49·8	55·7	+ 3·2	96	0	5	0·36	− 0·24	30·2	− 7·3	26	− 6
	Cally ℌ	64	39	60·8	45·3	52·6	+ 0·5	74	0	5	1·63	+ 0·95	*	*	*	*
	Aspatria	64	43	60·8	48·8	54·4	+ 2·5	87	0	4	1·19	—	47·2	—	40	—
	Douglas (Isle of Man)	60	45	57·3	48·4	52·6	+ 0·3	74	0	3	1·92	+ 1·41	37·7	− 13·6	33	− 12
7. ENGLAND, N.W.	Newton Rigg	67	36	63·0	47·0	54·5	+ 3·4	88	0	3	0·10	—	45·4	—	39	—
	Stonyhurst	68	45	63·5	50·2	56·5	+ 3·5	102	0	3	0·16	− 0·51	43·0	− 1·4	37	− 1
	Blackpool ℳ	66	47	61·0	51·0	55·7	+ 2·1	96	0	4	0·49	+ 0·03	46·3	+ 1·3	40	+ 1
	Manchester (Prestwich)	73	42	66·4	50·1	57·8	+ 4·8	111	0	3	0·30	− 0·30	35·5	—	31	—
	Liverpool Obsy. (Bidston)	68	49	63·7	51·3	57·1	+ 2·8	106	0	3	0·36	− 0·08	49·4	—	43	—
	Chester (Hawarden Bridge)	72	49	66·2	51·2	58·3	+ 3·2	114	0	3	0·40	—	*	*	*	*
	Llandudno ℳ	68	45	63·9	51·6	57·4	+ 3·1	108	0	4	0·28	− 0·15	50·2	+ 4·2	44	+ 4
	Holyhead	60	49	57·9	50·1	53·8	+ 0·2	83	0	4	0·99	+ 0·55	*	*	*	*
	Bettws-y-Coed	68	40	63·1	49·3	55·8	+ 2·3	97	0	3	0·45	—	36·5	—	32	—
8. ENGLAND, S.W.	Llangammarch Wells	69	38	63·4	45·9	54·1	+ 1·5	85	0	3	0·27	—	38·1	—	34	—
	Pembroke	60	43	56·6	48·7	52·4	− 0·6	73	0	4	0·36	− 0·08	39·1	− 13·4	35	− 12
	Cardiff	70	44	65·1	48·6	56·4	+ 2·3	101	0	5	0·18	—	*	*	*	*
	Clifton	73	51	67·8	52·4	59·6	+ 5·1	123	0	4	0·18	− 0·33	*	*	*	*
	Bath	72	49	67·9	51·1	59·0	+ 3·9	119	0	6	0·19	− 0·30	34·3	—	30	—
	Arlington (N. Devon)	71	44	63·6	47·3	55·0	+ 2·1	91	0	4	0·42	− 0·25	*	*	*	*
	Cullompton ℳ	72	42	68·9	49·7	58·7	+ 3·7	117	0	4	0·17	− 0·33	38·6	− 7·6	35	− 7
	Falmouth	65	49	63·0	52·0	57·2	+ 2·5	106	0	4	0·24	− 0·32	44·2	− 9·4	40	− 9
	Plymouth	64	46	61·8	51·3	56·2	+ 0·4	99	0	5	0·28	− 0·18	37·3	− 12·7	34	− 11
9. IRELAND, N.	Malin Head	63	44	59·3	47·7	53·2	+ 1·1	78	9	7	0·59	+ 0·09	*	*	*	*
	Edenfel (Omagh)	64	40	60·7	48·1	54·0	+ 2·0	84	0	6	1·12	+ 0·53	*	*	*	*
	Blacksod Point	59	49	57·6	50·4	53·8	+ 0·7	83	0	6	0·94	+ 0·31	*	*	*	*
	Markree Castle	63	40	61·8	48·1	54·5	+ 2·5	88	0	7	0·74	+ 0·09	37·9	− 3·1	33	− 3
	Armagh	65	43	62·7	48·8	55·3	+ 2·3	93	0	5	0·59	+ 0·07	43·5	+ 2·5	38	+ 2
	Donaghadee	64	46	61·3	48·7	54·6	+ 1·9	88	0	6	0·57	+ 0·07	*	*	*	*
10. IRELAND, S.	Dublin	71	51	66·2	53·4	59·4	+ 4·7	122	0	4	0·22	− 0·23	37·8	− 9·2	33	− 8
	Birr Castle	65	43	63·0	48·9	55·5	+ 1·7	95	0	5	0·58	+ 0·04	37·6	− 3·4	33	− 3
	Kilkenny	65	45	63·4	49·9	56·3	+ 2·3	100	0	3	0·19	− 0·33	*	*	*	*
	Waterford	63	45	61·0	49·9	55·1	+ 1·6	92	0	3	0·44	− 0·11	*	*	*	*
	Roche's Point	60	47	59·3	50·7	54·7	− 0·2	89	0	5	0·45	− 0·23	*	*	*	*
	Valencia	60	45	58·7	49·7	53·9	− 0·3	83	0	6	0·81	+ 0·06	39·7	− 7·1	35	− 6
	Killarney	65	48	63·3	51·0	56·8	+ 2·9	104	0	5	0·52	− 0·14	*	*	*	*
	Foynes	73	40	67·3	47·7	56·9	+ 3·1	104	0	2	0·04	− 0·51	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	63	50	61·0	52·1	56·3	+ 1·5	100	0	5	0·25	− 0·15	44·1	− 11·8	40	− 11
	Jersey (St. Aubyn's)	74	49	67·1	51·9	59·0	+ 3·0	119	0	2	0·02	− 0·41	66·4	+ 9·4	60	+ 9

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked ℌ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

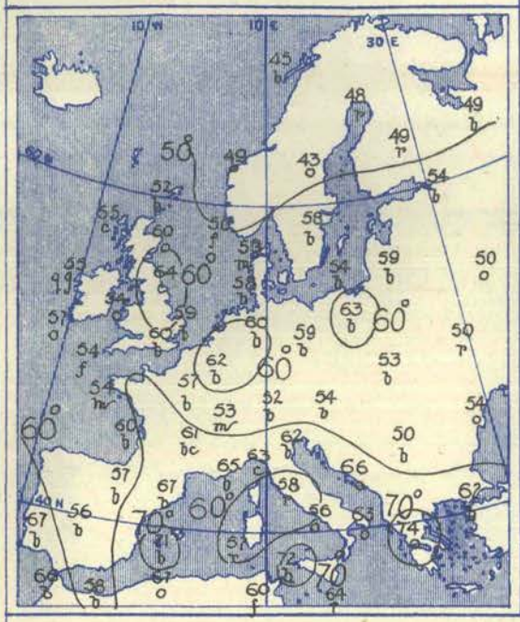
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

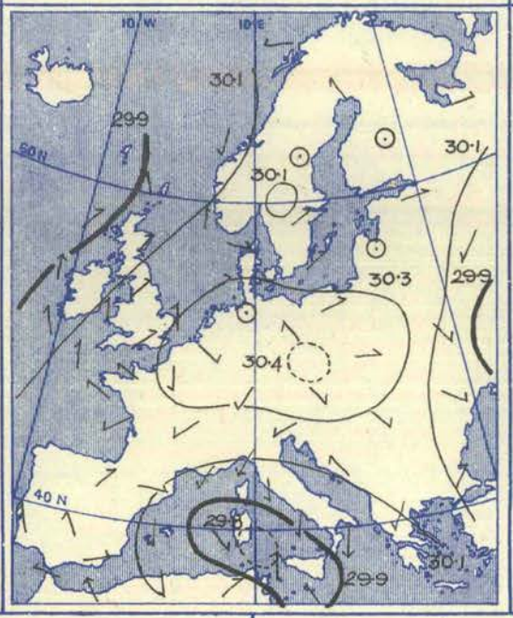
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 28th May, 1905.

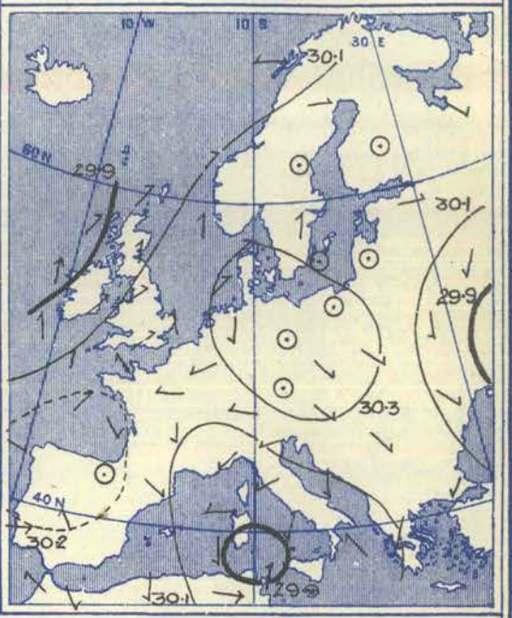
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the Spanish Peninsula, France, the greater part of England, central Europe, and Scandinavia; cloudy or overcast elsewhere, with rain in various parts of Finland, at Kiev, Parsonstown, and at several Mediterranean stations, and fog on our south-west coasts and at Skudesnaes. Rain later in the west and north of our Islands and heavier falls in the southern half of Russia.

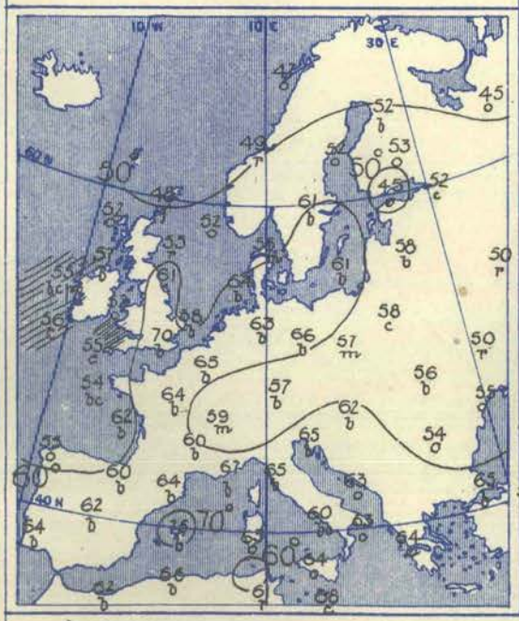
Temperature risen over our Islands and the western countries generally, changed irregularly elsewhere. Morning readings highest, 74° at Patras, 72° at Palermo, 71° at Palma, 62° at Brussels, and 60° in London. Lowest, 43° at Hernösand, below 50° at several other northern stations and only 50° at Prague. Rising later to 75° at Margate and Scarborough, above 70° at many of our other stations, to nearly 80° in the Low Countries, some German localities and the south-east and centre of France, and to 82° at Madrid, Perpignan, and San Fernando.

Wind at 8 a.m. showing an anticyclonic circulation of light winds over the central countries, light or moderate Southerly breezes over the United Kingdom, and a moderate to strong cyclonic circulation over the Mediterranean. Some increase in force on our western coasts later, but little change as a whole.

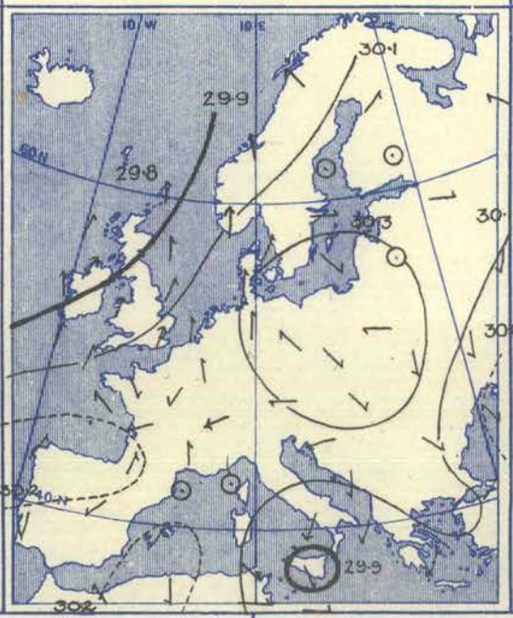
Barometer at 8 a.m. ranging from above 30·3 ins. in a large anticyclone centred over Bohemia, to below 30·1 ins. in a depression near Karlstad, below 29·9 ins. in two other systems—one off our north-west coasts and the other over the south of Russia, and to less than 29·8 ins. in another disturbance lying between Sardinia and Sicily. Scarcely any change in the general distribution of pressure taking place during day.

Monday, 29th May, 1905.

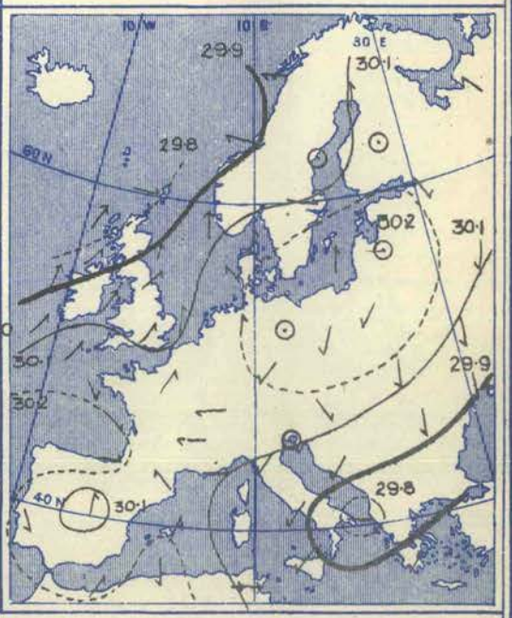
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. overcast or cloudy over our western and northern districts, Norway, and Russia; fine and bright in most other regions, but rainy in Tunisia. Rain also falling at Liverpool, in the east of Scotland, at Moscow, and Kiev. Rain falling later in the east and north of Europe and at several Mediterranean stations and also in the west and north of our Islands and in central England.

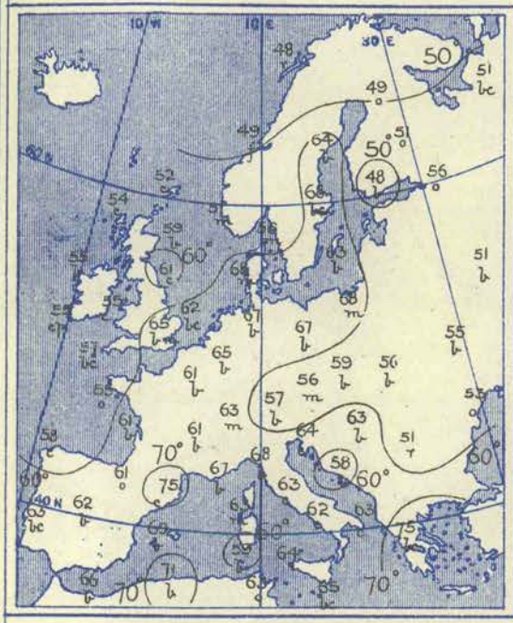
Temperature at 8 a.m. highest, 76° at Barcelona, 70° at San Fernando and in London, 66° at Berlin, and 65° at Neu-Fahrwasser. Lowest, 45° at Archangel, below 50° at a few other northern stations, 50° at Kiev, 51° at Prague, and 54° at Hermanstadt. Maxima during day, 79° in London, 81° at Margate, about 80° in Germany, the Low Countries, and at many French stations, and 86° at Sfax. Subsequent night very warm over England.

Wind at 8 a.m. showing two chief circulations—anticyclonic over all the central regions of our area, cyclonic over the Mediterranean. Southerly and South-Westerly breezes prevailing over our Islands and blowing freshly or strongly in the west. No important change later.

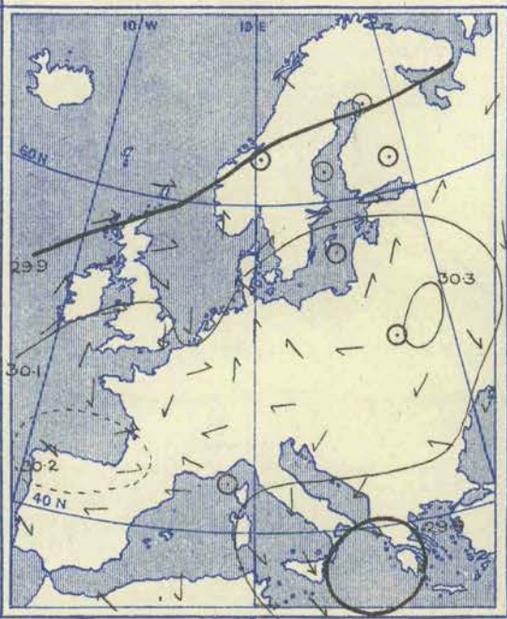
Barometer in morning ranging from above 30·3 ins. in a large anticyclone centred over Germany and above 30·2 ins. in a smaller system over the Bay of Biscay and the north of Spain to below 29·9 ins. in a depression over Sicily and to below 29·8 ins. in a disturbance off our own north-west coasts. Both high and low pressure systems travelling north-eastwards during day.

Tuesday, 30th May, 1905.

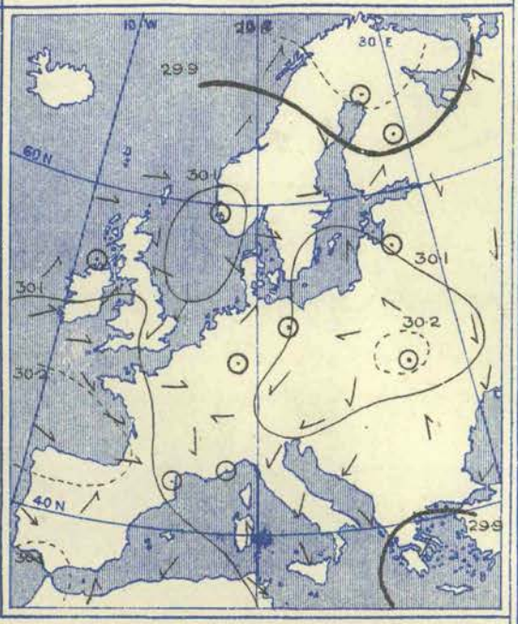
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over our area generally, but rainy in the north of Scandinavia, showery in the south of Ireland, and cloudy or overcast in a few other localities. A sharp thunderstorm experienced later in London and also at Le Havre. Thunder heard at Paris, Dungeness, and Wick—largest amounts of rain, 0·66 in. in London, 0·72 in. at Dunkirk, and 0·67 in. at Bodö.

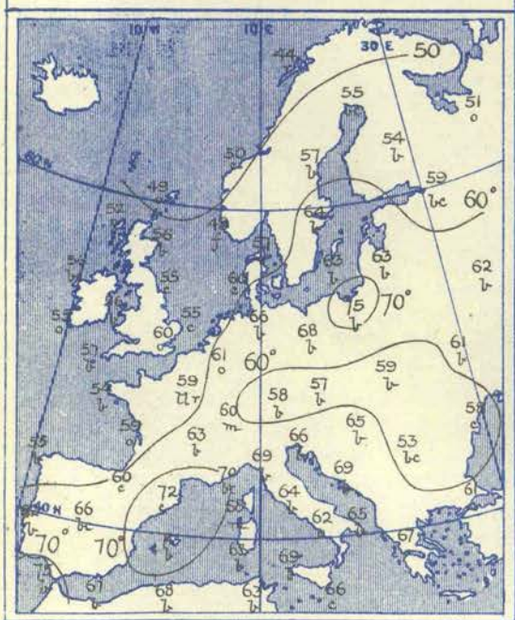
Temperature fallen at several English stations, risen in most parts of the Continent. Morning readings ranging from 75° at Patras and Barcelona, 71° at Algiers, 68° at Lesina, Leghorn, Neu-Fahrwasser, and Stockholm, to 50° or below in the extreme north of our area. Maxima during day, 72° in London and above 80° in various parts of Germany and southern Europe. Highest readings, 88° at San Fernando and 90° at Madrid. Thermometer remaining below 60° at some of our own northern stations, but touching 73° at Hernösand and 79° at Stockholm.

Wind at 8 a.m. light and anticyclonic over all the south-western and central regions; cyclonic in the south-east and north-west. No general change later, but Northerly wind increasing in force to a fresh or strong breeze over various parts of the Mediterranean and Adriatic.

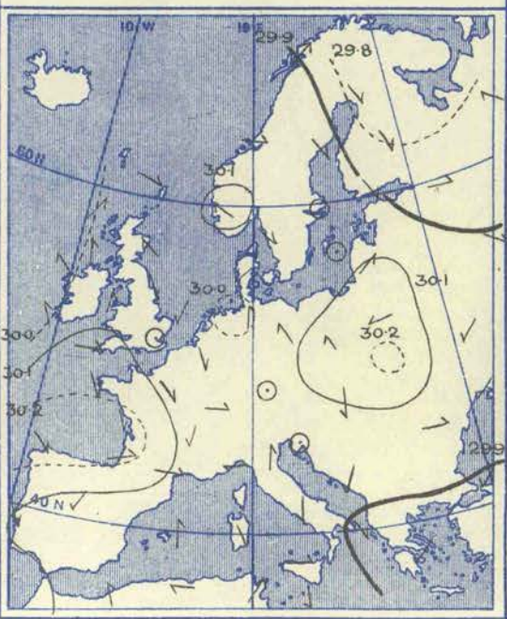
Barometer in morning highest, 30·2 ins. and upwards in an anticyclone covering most of central Europe, in another system over the north of Spain and the southern half of the Bay of Biscay, and in a third over Algeria. Lowest, 29·8 ins. and less in a large depression over the north of Scandinavia and off the north of Scotland, and below 29·9 ins. in a disturbance over Greece and its vicinity. No material change occurring later in the general distribution of pressure; some local irregularities becoming more pronounced over England and the north of France.

Wednesday, 31st May, 1905.

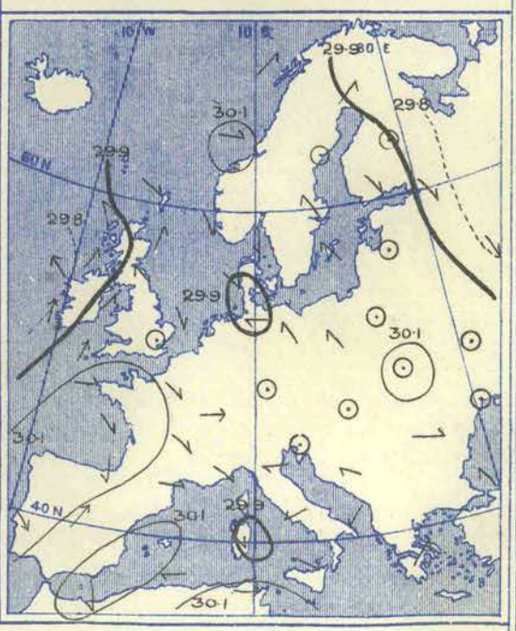
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine over the major portion of our area, but varying greatly over the western countries. Much cloud prevailing over our Islands, a thunderstorm at Paris, and rain at Flushing and Bodö. Fog at Donaghadee and Skudesnaes. Rain falling later at nearly all our own stations and over the nearer part of the Continent and also at Naples.

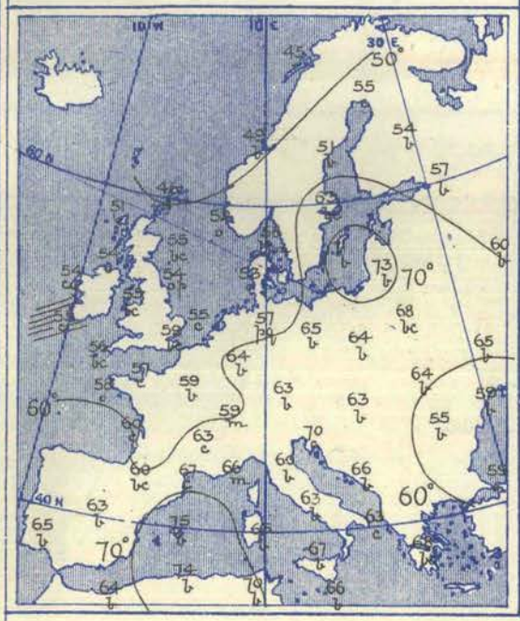
Temperature risen over all the eastern part of our area, changed irregularly or fallen elsewhere. Morning readings highest, (1) 75° at Neu-Fahrwasser, 68° at Berlin, 67° at Frankfürt, (2) 72° at Barcelona, 70° at Nice, 69° at Lesina and Palermo, (3) 75° at San Fernando. Rising during day to 71° at Bournemouth, 72° in the south of Sweden, to between 70° and 80° over most parts of central and southern Europe, and to above 80° in several places. Highest values, 88° at Berlin and 90° at Madrid.

Wind very variable and light. Mainly Southerly or South-Easterly over Ireland and North-Westerly over England. Very light anticyclonic winds prevailing over the greater part of the Continent, but a feeble cyclonic circulation shown over Holland and its neighbourhood. Wind backing to the South-Westward or Southward over England by evening and increasing somewhat in force.

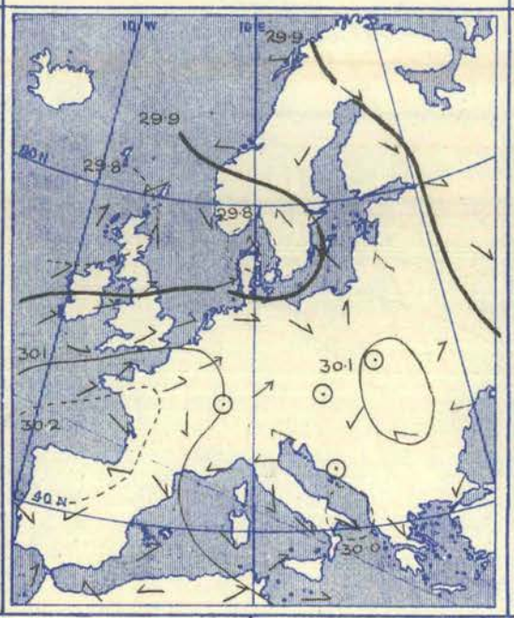
Barometer at 8 a.m. highest, 30·1 ins. to 30·2 ins. and upwards in anticyclonic systems over the central countries and the Bay of Biscay. Lowest, less than 29·8 ins. over Lapland, below 29·9 ins. over the south-east of Europe, and below 30·0 ins. over Holland. A depression spreading over Ireland later and some modification in the general distribution of pressure taking place over Europe generally.

Thursday, 1st June, 1905.

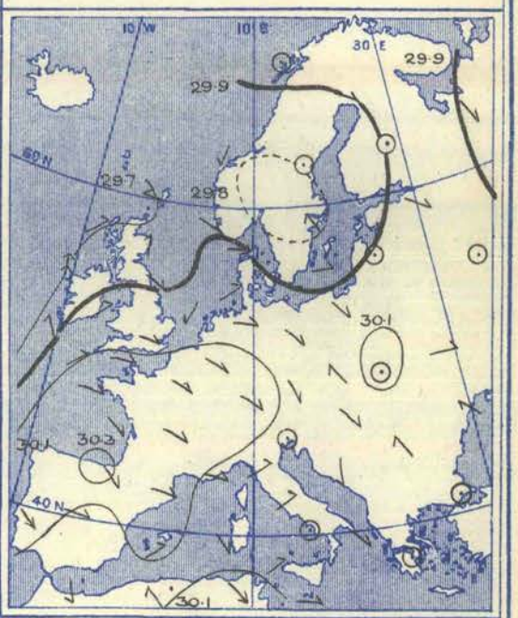
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of these Islands as well as at most of the Continental stations, but showers reported from a few places in England and Ireland and a thunderstorm at Skagen. Rain falling later over most parts of the United Kingdom, at several Scandinavian stations, and also at Turin, where as much as 0·95 in. was measured.

Temperature changed irregularly but fallen a little in most places. Morning readings highest, (1) 75° at Palermo, 74° at Algiers, 72° at Alicante, and 70° at La Calle, (2) 73° at Memel, 71° at Wisby and Neu-Fahrwasser. Highest in our Islands, 61° at Clacton-on-Sea. Lowest, 45° at Bodö and 46° at Sumburgh Head. Rising during day to 69° at Scarborough and 68° at Lowestoft. At Wisby the thermometer rose to 81°, and over southern Europe maxima ranging between 80° and 86° were recorded. Highest of all, 90° at Madrid.

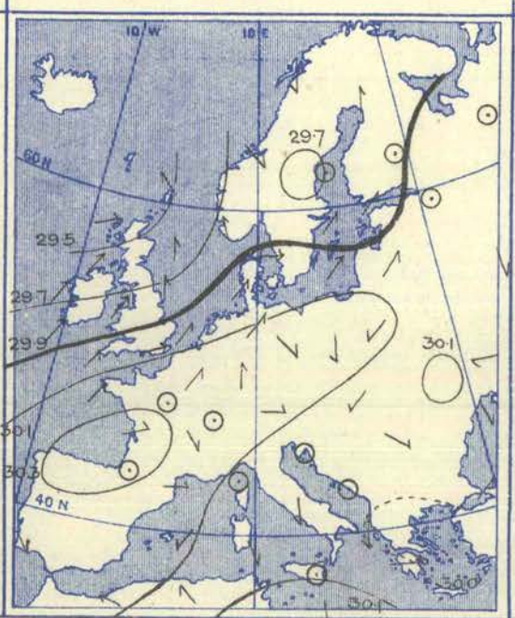
Wind light or moderate from West or South-West over England and the adjacent parts of the Continent, light from the Southward in Scotland and cyclonic to the eastward of the North Sea, very light and variable over the greater part of the Continent, but North-Westerly in Russia. Wind backing Southward later in Ireland, and increasing to a fresh gale at Blacksod Point.

Barometer at 8 a.m. highest, 30·2 ins. and upwards in an anticyclone over the west of France and the Bay of Biscay and 30·1 ins. and upwards in a small system over southern Russia. Lowest, 29·8 ins. and less in a depression over Scotland and 29·9 ins. and less in a shallow disturbance over northern and central Russia. Depression over Scotland travelling eastwards to Scandinavia later, and new disturbance approaching the west of Ireland from the Atlantic.

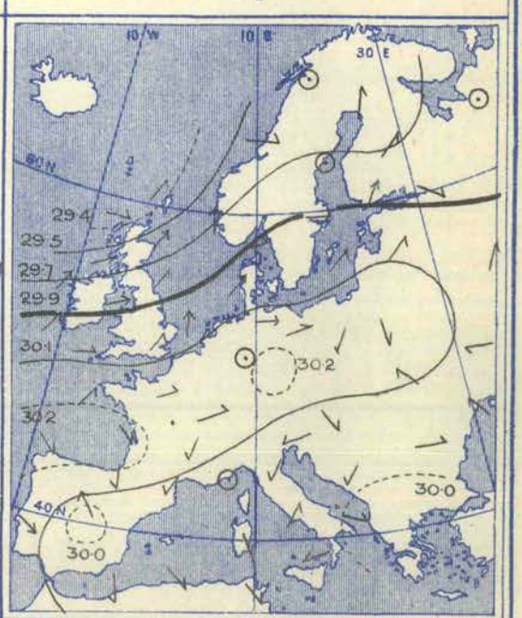
Friday, 2nd June, 1905.

Temperature and Weather. 8 a.m.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over Europe generally, but a good deal of cloud over the United Kingdom, some slight showers over England, and fog on the coast of Wales. Rain falling later in a few Continental localities—0·6 in. at Lemberg—and also in various parts of this country.

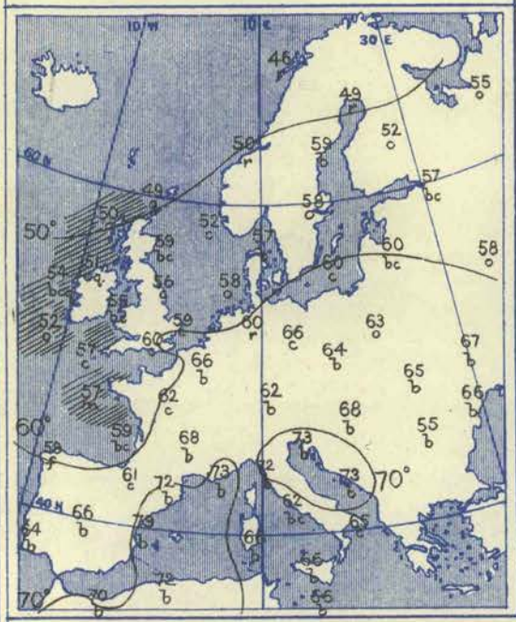
Temperature changed little and irregularly. Morning readings highest, 78° at Algiers, 74° at Barcelona, 71° at Patras. Lowest, 45° at Bodö, 49° in the Shetlands, 50° at Kuopio. Rising later to 73° at Great Yarmouth, to above 80° in several parts of central and southern Europe and in Algeria, and to 91° at Madrid. Thermometer only touching 58° at Portland Bill and 55° at Pembroke and Holyhead.

Wind at 8 a.m. light and variable over the greater part of the Continent; mainly South-Westerly over our Islands and moderate to strong in force; a cyclonic circulation prevailing over Sweden. Increasing to a moderate gale from South-West on the north-west coast of Ireland by evening and to a fresh gale from the Southward at Skudesnaes.

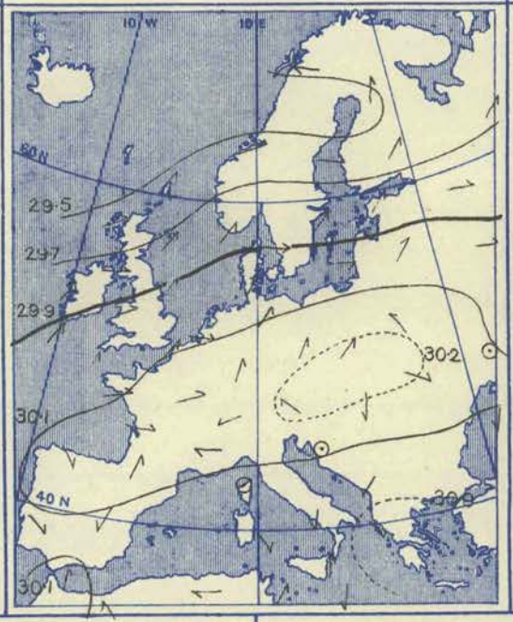
Barometer in morning ranging from 30·3 ins. and upwards in an anticyclone centred over the Bay of Biscay to 29·7 ins. in a depression over the centre of Sweden, and to below 29·5 ins. off our own north-west coasts. No change in the general situation taking place later. Swedish disturbance apparently travelling away northward and that off our north-west coasts moving eastwards. Barometer rising over Ireland.

Saturday, 3rd June, 1905.

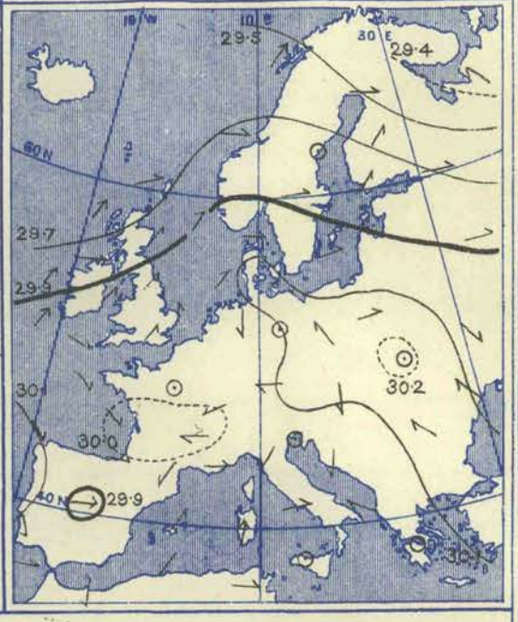
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather at 8 a.m. fair or fine and bright over nearly all parts of our area, but cloudy or overcast at some of our own stations, foggy over the Straits of Dover and at Corunna, and rainy in the north and north-west of Scandinavia, as well as at Turin. Some rain experienced later on our own north-west coasts, in Norway, and a few other Continental regions—largest falls, 0·4 in. at Bodö and 0·6 in. at Naples.

Temperature risen over the greater part of our area. Morning readings highest, (1) 79° at Barcelona, 78° at Trieste and Lesina, 72° at Algiers, and 71° at La Calle, (2) 70° at Neu-Fahrwasser, 68° at Swinemünde. Rising during day to 72° in London to above 80° at some stations in Germany, central and southern Europe, and to 93° at Madrid. Thermometer remaining below 60° on the Irish and Welsh coasts, but touching 72° at Hernösand.

Wind in morning South-Westerly to Westerly over all the more northern countries, and fresh or strong in force on our north-west coasts and in several parts of Scandinavia. Light and chiefly Easterly over the southern countries and the Mediterranean. Very little change occurring later.

Barometer at 8 a.m. highest, 30·2 ins. over the centre of Europe; lowest, 29·5 ins. and less in a depression over the north of Scandinavia and off the north of Scotland. Scandinavian disturbance travelling eastwards during day, and pressure increasing steadily over Norway and the north of our Islands. Shallow depressions forming over the central parts of France and Spain, and barometer falling somewhat over our own southern countries.

IV.—GENERAL NOTES.

The highest pressure during this week was almost always found either over central Europe or the Bay of Biscay and the lowest either in the extreme southern or north-western part of our area. The depressions were of no great depth but some of them were of considerable size and sufficiently deep to cause the prevailing South-Westerly winds on our own north-western and the Norwegian coasts to occasionally increase to a strong breeze or a moderate gale. Temperature was generally high within the region of highest pressure, especially over Germany and the other central countries. The general character of the weather was fine and dry, but the northern depressions brought frequent falls of slight rain to Scandinavia, Scotland, and Ireland, and there were also some falls in the north of Italy. A thunderstorm that broke over London during the afternoon of Tuesday was accompanied by 0·66 in. of rain at Westminster. At the end of the week the barometer was rising slowly over our own northern districts and in Norway, while a shallow depression was forming over France.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 128.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	52·5	+14·5	43	+ 12
STRATHPEFFER SPA	42·7	+ 4·1	36	+ 3
CRATHES	52·7	—	44	—
BALRUDDERY	45·3	—	38	—
EDINBURGH	43·9	+ 7·5	37	+ 6
COCKLE PARK	51·5	—	44	—
NEWCASTLE-on-TYNE	25·8	—	22	—
SALTBURN-by-the-SEA	45·9	—	40	—
YORK	31·2	- 9·4	27	- 8
SKEGNESS	50·1	—	44	—
CROMER	50·8	—	45	—
LOWESTOFT	61·4	—	54	—
DUNMOW	54·9	—	49	—
SHEFFIELD	43·1	—	38	—
WORKSOP	38·5	+ 0·2	34	0
MARGATE	55·5	+ 11·9	49	+ 11
BROADSTAIRS	—	—	—	—
RAMSGATE	59·0	—	53	—
EASTBOURNE	50·6	- 0·6	45	- 1
BRIGHTON	46·8	- 4·2	42	- 4
WORTHING	48·2	—	44	—
BOGNOR	51·4	—	46	—
VENTNOR HOSPITAL	50·9	+ 2·4	45	+ 2
BOURNEMOUTH	52·2	—	47	—
MARLBOROUGH	38·4	- 4·7	34	- 4
SOUTHPORT	44·9	—	39	—
RHYL	47·5	—	41	—
ABERDOVEY	36·1	—	32	—
TENBY	40·5	- 11·9	36	- 11
TORQUAY	45·1	- 7·9	40	- 7
NEWQUAY	51·2	0·0	46	0
GUERNSEY	57·6	- 1·4	52	- 1

Reports received too late for insertion in their proper places.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.

	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 18, page 104	Lairg	—	—	—	—	—	—	—	—	? 5	? 0·37	- 0·15	—	—	—	—
,, 19 ,, 110	,,	—	—	—	—	—	—	—	—	? 5	? 0·59	+ 0·09	—	—	—	—
,, 20 ,, 116	,,	—	—	—	—	—	—	—	—	0	0·00	- 0·48	—	—	—	—
,, 21 ,, 126	Broadstairs	—	—	—	—	—	—	—	—	—	—	—	73·6	—	66	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 23. TWENTY-THIRD WEEK, ENDING SATURDAY, JUNE 10TH, 1905. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 134.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	67	36	56·4	43·2	49·8	2 below	51	−15	0	− 1	446	−70	476	− 80
	1. SCOTLAND, EAST	67	34	57·8	43·2	50·0	3 below	56	−24	0	− 1	586	−56	505	−100
	2. ENGLAND, N.E.	69	42	58·1	46·8	52·0	2 below	70	−19	0	− 1	697	+43	374	−124
	3. ENGLAND, EAST	70	45	58·8	50·2	54·2	1 below	85	−14	0	0	787	−23	349	−193
	4. MIDLAND COUNTIES	70	37	61·0	45·5	52·7	3 below	75	−25	0	0	808	−39	394	−157
	5. ENGLAND, SOUTH	72	43	59·1	49·3	53·9	2 below	83	−25	0	0	845	−63	268	−135
Principal Grazing Districts.	6. SCOTLAND, WEST	68	38	59·9	44·5	51·6	2 below	67	−20	0	0	676	−23	313	−112
	7. ENGLAND, N.W.	68	34	60·0	45·1	52·9	3 below	70	−25	0	0	721	−22	273	−131
	8. ENGLAND, S.W.	68	35	60·3	46·9	53·2	2 below	78	−23	0	0	836	−53	222	− 85
	9. IRELAND, NORTH	70	40	59·5	45·6	52·1	2 below	71	−19	0	0	746*	−40	271	− 81
	10. IRELAND SOUTH	70	40	61·9	46·8	53·8	2 below	83	−16	0	0	955	+ 9	166	− 92
	— CHANNEL ISLANDS	64	48	57·3	50·4	53·6	3 below	81	−26	0	0	1077	+37	55	− 65

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 134.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	2	1	5 less	124	+26	23·0	+ 4·9	44	+ 7	35	+ 6	498	−42	26	− 2
	1. SCOTLAND, EAST	1	2	3 less	94	+11	10·3	− 1·6	36	− 4	30	− 4	562	−56	29	− 3
	2. ENGLAND, N.E.	1	1	3 less	71	− 7	5·8	− 3·5	35	+ 4	30	+ 4	608	−50	31	− 3
	3. ENGLAND, EAST	6	20	16 more	81	+ 2	8·7	− 0·2	21	−27	18	−23	700	+ 4	36	0
	4. MIDLAND COUNTIES	3	4	2 less	78	+ 3	7·8	− 2·7	36	−15	32	−13	592	− 8	30	0
	5. ENGLAND, SOUTH	6	24	20 more	79	+ 6	11·2	+ 0·4	12	−34	10	−30	681	− 3	35	0
Principal Grazing Districts.	6. SCOTLAND, WEST	1	1	6 less	97	+11	18·9	− 0·8	58	+12	49	+10	643	+21	33	+ 1
	7. ENGLAND, N.W.	1	less than half	5 less	84	+ 4	10·8	− 1·7	56	+16	48	+14	652	+85	34	+ 4
	8. ENGLAND, S.W.	3	5	0 (average)	82	0	12·8	− 2·0	34	−17	30	−15	669	−34	34	− 2
	9. IRELAND, NORTH	1	1	5 less	106	+ 8	14·2	+ 0·3	50	+10	43	+ 9	673	+74	35	+ 4
	10. IRELAND, SOUTH	1	less than half	6 less	98	+10	14·8	− 1·7	43	− 2	37	− 1	648	−26	33	− 1
	— CHANNEL ISLANDS	4	9	5 more	91	+ 5	11·8	− 0·8	23	−35	20	−31	742	−80	38	− 4

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather continued very fine and dry in all the more northern and north-western parts of the Kingdom, but in the south-east and south the conditions after Sunday were extremely dull and wet. At most stations rain was experienced every day and many of the falls were unusually prolonged. Thunderstorms were experienced at Dungeness quite at the beginning of the period, and at Tunbridge Wells, Epsom, and London on Saturday.

Temperature was below the mean very generally—especially during the afternoons. The highest of the maxima recorded on Sunday ranged from 72° in England S., and 70° in England E., the Midland Counties and Ireland and to 64° in the Channel Islands, but later in the week the highest readings were not much above 60° anywhere and often below it. On Tuesday nearly all the maxima over the southern counties of England were about 52°, while at Shaftesbury the thermometer only touched 49°. The lowest of the minima were registered on rather irregular dates. They ranged from 34° in Scotland E. and England N.W. and 35° in England S.W. to 45° in England E. and to 48° in the Channel Islands. At Southport a thermometer exposed on the grass fell as low as 31°6 on the night of the 8th-9th.

Rainfall. Scarcely any rain fell in Ireland, Scotland, and the north of England, but in England S. and E. the fall was excessive, the respective totals for the week being six times and five times as large as the mean. In the Channel Islands the fall was more than twice the mean amount. The heaviest falls within the twenty-four hours were generally measured on the morning of Tuesday; at Dungeness there was 1·96 in. and at Southampton 2·48 ins., while at Canterbury 1·95 in. was measured at 10 p.m. on Monday.

Bright Sunshine was abundant in several of the northern districts and very deficient in the south. The percentage of the possible duration ranged from 49 in Scotland W., 48 in England N.W., and 43 in Ireland N., to 20 in the Channel Islands, 18 in England E., and to 10 in England S.

Barometer and Wind. Soon after the commencement of the week the barometer rose steadily and became highest in a large anticyclone extending from the Atlantic over all the northern parts of the Kingdom, while it fell and became lowest over our southern and south-eastern counties, France, and the Low Countries. The depressions which caused the fall were shallow and not always well defined. They were, however, usually sufficiently deep to produce a moderate gradient on the east and south-east coasts of England, so that the North-Easterly wind blew a fresh to a very strong breeze in those regions. In the north and west the wind was only light or moderate in force. The changes in pressure in the neighbourhood of the disturbances were very slight, amounting, as a rule, to only a few hundredths of an inch from day to day.

3741 Wy. & S. Ltd.
370 6 | 05

II.—DATA from which the SUMMARY on page 133 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
June 4-10, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
	Sumburgh Head ... $	54	42	51·4	44·0	47·4	− 0·9	38	0	1	0·05	− 0·39	*	*	*	*
	Stornoway ...	58	41	55·4	42·9	48·7	− 2·0	47	0	1	0·02	− 0·53	53·2	+ 10·8	43	+ 9
0. SCOTLAND, N.	Wick ...	61	39	57·0	43·6	49·8	− 0·9	55	0	1	0·10	− 0·30	*	*	*	*
	Lairg ... $	67	36	60·3	40·9	49·9	− 1·3	60	3	4	0·07	− 0·45	*	*	*	*
	Glencarron ... $	63	40	57·8	43·8	50·3	− 1·6	58	0	2	0·08	− 1·05	*	*	*	*
	Fort Augustus ... $	59	37	56·4	43·7	49·6	− 3·6	53	0	1	0·14	− 0·36	42·0	+ 12·0	34	+ 10
	Nairn ...	61	40	58·1	44·0	50·6	− 2·5	60	0	2	0·14	− 0·26	*	*	*	*
	Aberdeen ...	66	41	56·4	44·6	50·1	− 2·2	57	0	2	0·45	+ 0·02	29·6	− 13·8	24	− 11
1. SCOTLAND, E.	Braemar ... $	61	37	56·3	41·1	48·2	− 2·1	47	3	2	0·17	− 0·35	*	*	*	*
	Clathick ... $	65	34	61·9	41·1	50·8	− 3·1	65	3	2	0·22	− 0·41	*	*	*	*
	Leith ...	67	45	59·4	46·0	52·2	− 1·9	71	0	0	0·00	− 0·42	*	*	*	*
	Marchmont ... $	61	41	54·4	42·4	48·0	− 3·9	42	0	0	0·00	− 0·57	29·9	− 11·4	25	− 10
	Alnwick Castle ...	65	44	57·4	45·7	51·1	− 0·9	64	0	0	0·00	− 0·45	*	*	*	*
	Durham ...	64	42	57·3	45·4	50·9	− 2·9	62	0	0	0·00	− 0·44	38·7	− 0·3	33	0
	Shields ...	65	46	55·6	46·9	51·0	− 1·8	63	0	0	0·00	− 0·41	*	*	*	*
2. ENGLAND, N.E	Scarborough ... M	62	46	57·8	47·2	52·1	− 1·6	71	0	0	0·00	− 0·46	32·2	—	28	—
	Spurn Head ...	60	47	56·0	48·9	52·2	− 1·9	71	0	3	0·15	− 0·21	*	*	*	*
	Lincoln ...	69	43	60·9	46·8	53·4	− 2·3	80	0	2	0·31	− 0·15	*	*	*	*
	Fulbeck (Lincolnshire) ...	68	42	61·5	46·5	53·5	− 2·2	81	0	3	0·20	− 0·25	40·4	—	35	—
	Hillington ... M	68	45	59·4	47·9	53·3	− 1·9	79	0	4	1·20	+ 0·74	27·1	− 18·5	24	− 16
	Yarmouth ...	64	49	57·3	52·0	54·5	+ 0·1	88	0	5	1·77	+ 1·34	*	*	*	*
	Geldeston ...	70	46	58·7	49·3	53·7	− 1·2	82	0	5	1·93	+ 1·53	18·3	− 30·8	16	− 27
3. ENGLAND, E.	Cambridge ...	66	47	59·6	49·8	54·4	− 2·0	87	0	4	1·32	+ 0·86	18·4	− 27·5	16	− 24
	Felixstowe ...	67	48	58·5	51·1	54·5	0·0	88	0	7	2·81	—	18·4	—	16	—
	Clacton-on-Sea ...	67	48	58·4	51·3	54·6	0·0	88	0	7	2·72	—	17·4	—	15	—
	Rothamsted ...	65	45	58·9	48·5	53·3	− 1·9	79	0	6	1·72	+ 1·25	14·7	− 29·5	13	− 26
	Shoeburyness ...	70	47	59·9	51·7	55·5	+ 0·2	95	0	7	2·40	+ 2·06	*	*	*	*
	Harrogate ...	66	40	58·1	44·3	50·7	− 2·4	61	0	0	0·00	− 0·60	53·0	—	45	—
	Bawtry (Hesley Hall) ...	70	38	64·0	44·0	53·3	− 2·0	79	0	3	0·17	− 0·31	*	*	*	*
	Nottingham ...	68	39	61·4	45·4	52·8	− 2·9	76	0	3	0·16	− 0·34	39·0	—	34	—
	Colly Weston (Stamford) ...	67	43	60·6	46·6	53·1	− 2·8	78	0	4	0·14	− 0·30	*	*	*	*
	Cheadle ... M	65	42	61·0	45·2	52·6	− 1·1	74	0	1	0·04	− 0·60	*	*	*	*
4. MIDLAND COUNTIES	Birmingham (Edgbaston) ...	67	42	60·4	47·1	53·3	− 1·6	79	0	2	0·24	− 0·33	33·2	—	29	—
	Shrewsbury ...	68	37	63·4	44·0	53·0	− 2·7	77	0	2	0·09	—	*	*	*	*
	Hereford ... M	68	40	61·1	45·0	52·5	− 3·7	74	0	2	0·46	0·00	*	*	*	*
	Cirencester ...	67	43	59·9	46·1	52·5	− 2·4	74	0	4	1·09	+ 0·59	23·1	− 22·9	20	− 20
	Oxford ...	67	45	59·9	47·6	53·3	− 3·3	79	0	4	1·17	+ 0·71	18·0	− 27·3	16	− 24
	Westminster ...	68	47	59·9	51·6	55·5	− 2·1	95	0	7	3·03	—	8·3	− 30·0	7	− 26
	London (Brixton) ...	69	46	59·7	50·4	54·7	− 3·1	89	0	7	2·73	+ 2·29	8·6‡	− 33·0‡	8‡	− 29‡
	(Surrey) ...	70	45	61·3	50·1	55·3	− 2·5	93	0	7	2·90	—	10·6	—	9	—
	...ton (Alresford) ... M	65	45	57·8	48·6	52·9	− 1·8	76	0	4	2·36	+ 1·91	*	*	*	*
	...nbridge Wells ... M	71	45	58·1	49·0	53·2	− 2·0	78	0	7	2·20	—	11·4	—	10	—
5. ENGLAND, S.	Dungeness ...	70	50	59·3	52·0	55·4	− 0·6	94	0	7	2·80	+ 2·50	9·7	—	9	—
	Hastings (St. Leonards) ...	71	48	60·8	50·7	55·4	− 0·6	94	0	7	1·84	+ 1·47	14·5	− 38·5	13	− 34
	Southampton ...	72	47	61·3	49·3	54·9	− 2·9	90	0	6	2·00	+ 2·46	14·3	− 35·4	13	− 31
	Portland Bill ...	65	45	57·9	48·4	52·8	− 2·6	76	0	7	1·58	—	*	*	*	*
	Shaftesbury ... M	66	43	56·1	45·6	50·5	− 4·3	60	0	5	2·00	+ 1·50	*	*	*	*
	Laudale (Loch Sunart) ...	68	41	61·8	45·6	53·1	− 0·9	78	0	1	0·03	− 0·89	*	*	*	*
	Glasgow ...	60	44	58·2	45·9	51·6	− 2·3	67	0	0	0·00	− 0·62	44·4	+ 7·7	37	+ 7
6. SCOTLAND, W.	Cally ... $	65	39	60·7	41·0	50·2	− 3·3	62	3	3	0·15	− 0·55	*	*	*	*
	Aspatria ...	64	38	59·3	43·7	51·0	− 2·2	63	0	1	0·11	—	61·6	—	52	—
	Douglas (Isle of Man) ...	63	45	59·3	46·2	52·3	− 1·4	72	0	0	0·00	− 0·53	67·4	+ 16·1	58	+ 14
	Newton Rigg ...	65	34	60·0	41·7	50·2	− 2·5	59	1	0	0·00	—	53·2	—	45	—
	Stonyhurst ...	65	40	60·3	44·7	52·0	− 2·5	70	0	1	0·07	− 0·63	57·4	+ 12·6	49	+ 11
	Blackpool ... M	66	38	61·0	44·4	52·1	− 3·0	71	0	1	0·01	− 0·47	65·5	+ 20·7	56	+ 18
	Manchester (Prestwich) ...	66	42	61·1	44·6	52·3	− 2·1	72	0	2	0·05	− 0·60	56·3	—	49	—
7. ENGLAND, N.W.	Liverpool Obsy. (Bidston) ...	65	43	59·4	46·4	52·5	− 3·4	74	0	1	0·04	− 0·42	58·0	—	50	—
	Chester (Hawarden Bridge) ...	68	39	61·4	45·3	52·8	− 3·4	76	0	1	0·08	—	*	*	*	*
	Llandudno ... M	63	46	59·4	48·9	53·8	− 2·1	83	0	1	0·05	− 0·39	60·9	+ 14·9	53	+ 13
	Holyhead ...	59	47	56·3	48·0	51·9	− 3·0	69	0	0	0·00	− 0·45	*	*	*	*
	Bettws-y-Coed ...	66	37	60·7	42·1	50·8	− 3·9	62	0	1	0·01	—	45·7	—	39	—
	Llangammarch Wells ...	65	35	60·6	41·9	50·6	− 3·4	61	0	2	0·14	—	48·6	—	43	—
	Pembroke ...	63	46	59·3	47·9	53·2	− 1·2	78	0	2	0·04	− 0·40	?47·7	− 6·1	?42	− 5
	Cardiff ...	66	41	61·6	46·8	53·7	− 1·9	82	0	2	0·31	—	*	*	*	*
	Clifton ...	68	43	60·6	46·3	53·0	− 3·0	77	0	3	0·36	+ 0·36	*	*	*	*
8. ENGLAND, S.W.	Bath ...	66	44	60·9	47·7	53·8	− 2·9	83	0	4	1·17	+ 0·67	18·3	—	16	—
	Arlington (N. Devon) ...	65	43	59·4	45·9	52·2	− 2·0	71	0	4	0·37	− 0·31	*	*	*	*
	Culmpton ... M	68	45	60·5	47·3	53·4	− 2·9	80	0	5	1·04	+ 0·52	26·0	− 21·0	23	− 19
	Falmouth ...	64	44	59·6	49·1	54·0	− 2·2	84	0	3	0·21	− 0·35	32·8	− 21·4	29	− 19
	Plymouth ...	68	48	60·6	49·5	54·7	− 2·5	89	0	4	0·41	− 0·05	23·1	− 27·0	21	− 24
	Malin Head ...	59	44	57·1	45·0	50·6	− 2·8	60	0	1	0·03	− 0·48	*	*	*	*
	Edenfel (Omagh) ...	70	40	62·6	43·7	52·5	− 0·9	74	0	1	0·03	− 0·60	*	*	*	*
9. IRELAND, N.	Blacksod Point ...	62	48	58·3	49·1	53·4	− 1·0	80	0	1	0·03	− 0·60	*	*	*	*
	Markree Castle ...	65	41	61·8	44·7	52·7	− 0·7	75	0	1	0·09	− 0·62	51·5	+ 11·6	44	+ 10
	Armagh ...	63	41	60·7	44·2	51·9	− 2·3	69	0	1	0·02	− 0·51	49·2	+ 8·7	42	+ 8
	Donaghadee ...	59	45	56·6	46·9	51·4	− 2·6	66	0	1	0·10	− 0·40	*	*	*	*
	Dublin ...	64	46	60·1	48·6	54·0	− 2·2	84	0	2	0·03	− 0·42	45·4	− 0·8	39	0
	Birr Castle ...	66	40	61·6	45·0	52·7	− 2·2	75	0	1	0·01	− 0·54	33·2	− 7·2	29	− 6
	Kilkenny ...	64	41	61·7	45·1	52·8	− 2·4	76	0	0	0·00	− 0·54	*	*	*	*
10. IRELAND, S.	Waterford ...	68	41	61·9	45·4	53·1	− 1·8	78	0	1	0·01	− 0·56	*	*	*	*
	Roche's Point ...	68	43	60·9	47·6	53·8	− 2·4	83	0	3	0·15	− 0·55	*	*	*	*
	Valencia ...	67	45	60·0	48·6	53·9	− 1·3	83	0	1	0·02	− 0·76	50·0	+ 3·5	44	+ 3
	Killarney ...	69	41	64·1	45·8	54·3	− 0·6	86	0	1	0·02	− 0·64	*	*	*	*
	Foynes ...	70	42	64·5	48·1	55·7	+ 0·7	96	0	0	0·00	− 0·58	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's) ...	61	48	58·3	49·7	53·7	− 2·3	82	0	1	0·01	− 0·39	52·7	− 4·0	47	− 4
	Jersey (St. Aubyn's) ...	64	49	56·3	51·1	53·5	− 3·9	81	0	7	1·74	+ 1·30	3·6	− 53·4	3	− 48

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked $ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

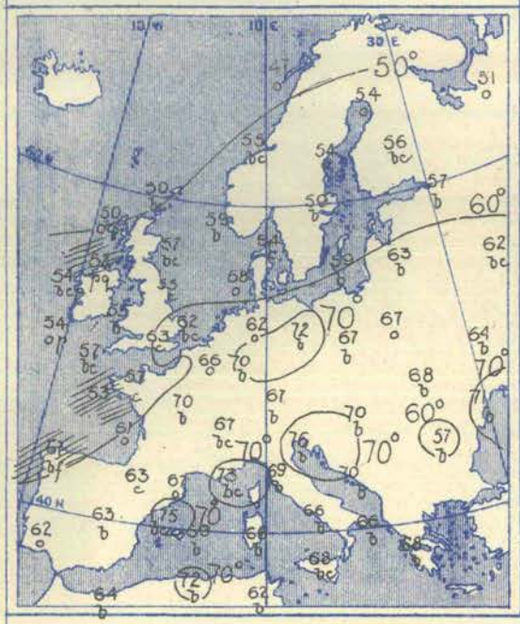
‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 4th June, 1905.

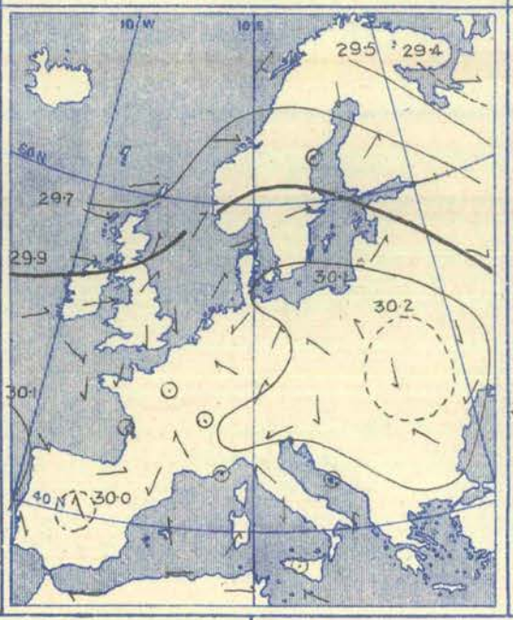
Temperature and Weather.

8 a.m.

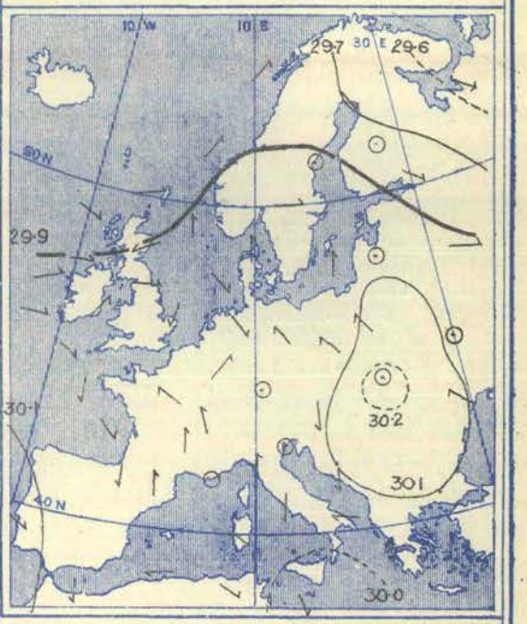


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. cloudy or overcast in a few places locally and showery in the west and north-west of Ireland, but fine and bright over our area generally. Thunderstorms and heavy rain experienced later in the west and north of France and at Dungeness and lightning seen at Roche's Point. Rain, in various quantities, falling over the north and west of our Islands, and over Scandinavia and Denmark.

Temperature risen in most places. Morning values highest, (1) 75° at Barcelona and Cape Sicié, 78° at Leghorn, and 72° at Algiers; (2) 73° at Aix-la-Chapelle, 72° at Berlin, 71° at Swinemünde, and 70° at Frankfort and Paris. Lowest, 47° at Bodö, 50° in the Shetlands and Hebrides, 51° at Archangel and Hangö. Rising later to 70° or 71° at some of our extreme southern stations, to above 80° at many Continental stations, to 90° at Frankfort and Berlin and to 91° at Sfax.

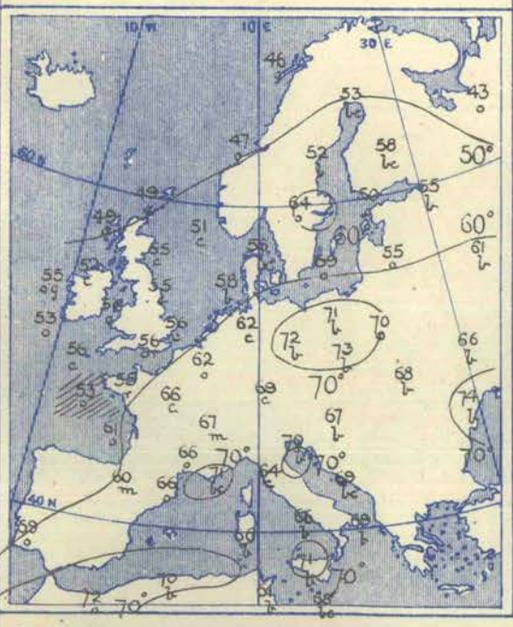
Wind at 8 a.m. South-Westerly or Westerly over the northern parts of our area and light or moderate in force. Light and anticyclonic over the central regions and light and irregularly cyclonic over the Netherlands, France and our south-east coasts. Little change of a general character occurring later.

Barometer in morning highest, 30·2 ins. and upwards in an anticyclone centred over Poland. Lowest, 29·4 ins. and less in a depression over the north of Russia and relatively low off our own northern coasts, in central Spain, and the greater part of France. Barometer rising steadily later over the northern parts of our area, falling over France and Germany. Several local baric minima forming over the latter region.

Monday, 5th June, 1905.

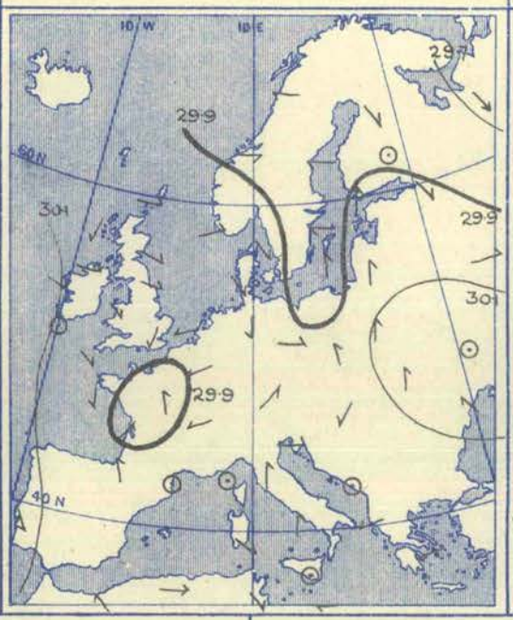
Temperature and Weather.

8 a.m.

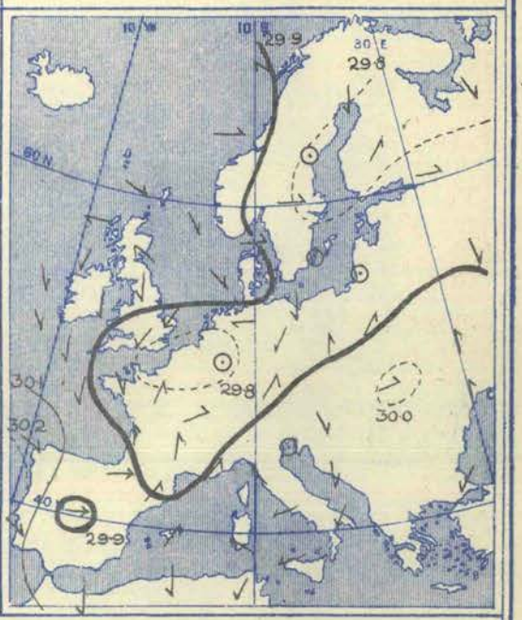


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. dull and rainy in the south and south-east of England and the adjacent part of France; fair or fine in most other regions, but rainy at Christiansund. Rain continuing throughout the ensuing twenty-four hours in the southern and south-eastern counties of England and at some French stations—largest amounts measured, 1·96 in. at Dungeness, 1·48 in. at Clacton-on-Sea, 1·36 in. at Yarmouth, 1·30 in. at Cape Gris Nez, 1·07 in. at Portland Bill, 0·99 in. in London, and 0·93 in. at Jersey. Thunderstorms occurring at Cuxhaven and Biarritz.

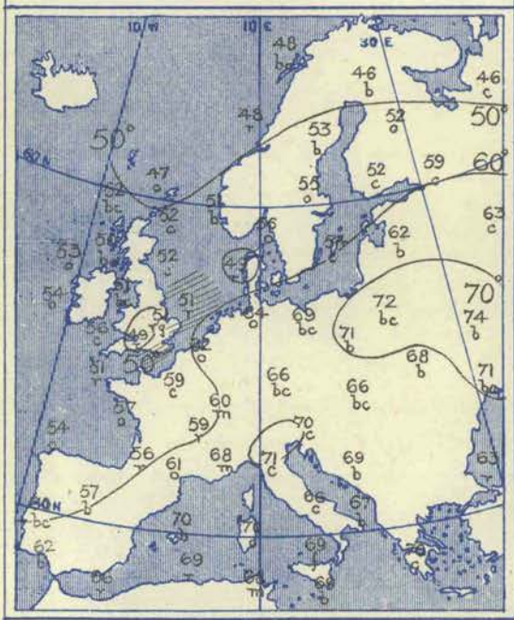
Temperature fallen somewhat in most places. Morning readings highest, (1) 73° at Cape Sicié, 71° or 72° on the coast of Algeria; (2) 73° at Breslau, 72° at Berlin, 71° at Neu-Fahrwasser, and 69° at Memel. Lowest, 43° at Archangel, 46° at Bodö, 49° in the Shetlands and Hebrides, 52° in the north of Ireland and at Oxford. Maxima during day below 60° at most of our own stations, but above 70° at Stockholm and in most other parts of the Continent further south and above 80° in places. Highest values reported, 86° at Prague, 90° at Sfax, and 91° at Aumale.

Wind in morning showing a cyclonic circulation of moderate or light breezes around France and an anticyclonic movement over the eastern regions of Europe. Light breezes, mainly Westerly, prevailing over our own western and northern districts. No great change as a whole later, but wind becoming Easterly or Northerly on most of our own coasts.

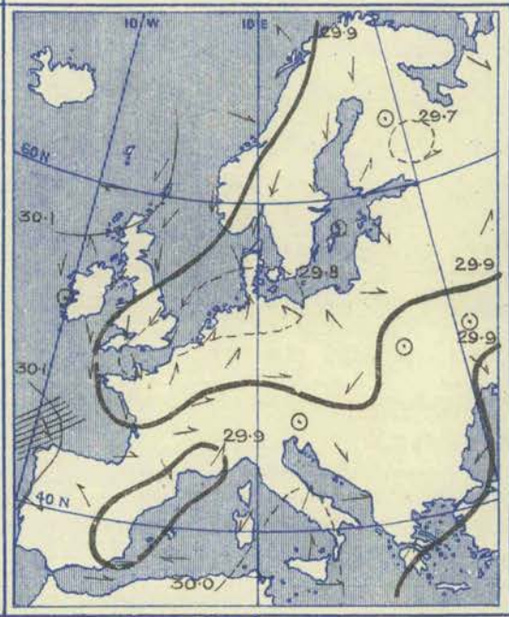
Barometer at 8 a.m. ranging from above 30·1 ins. in an anticyclone lying over the south-west of Russia and its vicinity and also over Portugal, to below 29·9 ins. in a large but shallow disturbance centred near Paris, and to below 29·7 ins. in another system over the White Sea. French disturbance travelling northwards later and undergoing some modification in form. Pressure giving way over Finland and the Gulf of Bothnia and also over the south of Russia.

Tuesday, 6th June, 1905.

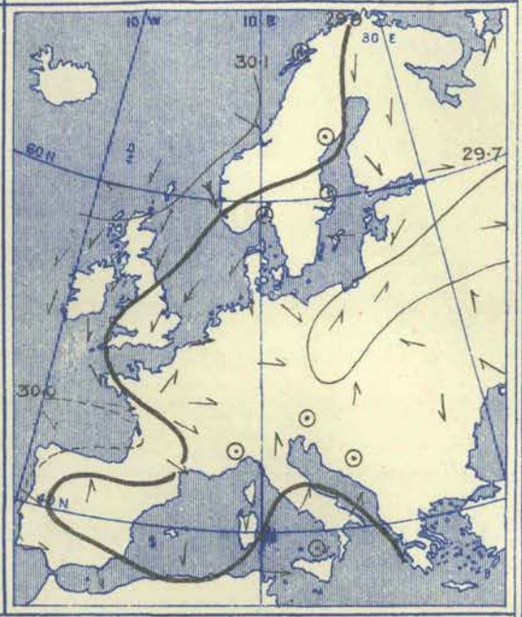
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. still rainy in the south and south-east of England, fair or fine and bright in most other parts of our area, but rain falling at Christiansund, Fanö, Biarritz, Barcelona, and over the western half of Algeria. Rain falling later over France, Germany, and in various parts of Scandinavia and Italy, and continuing in the south-east of England—largest amounts, 1·6 in. at Turin, 1·3 in. at Besançon, and 1·1 in. at Barcelona. Thunderstorms occurring at Lyons, Perpignan, and Moscow.

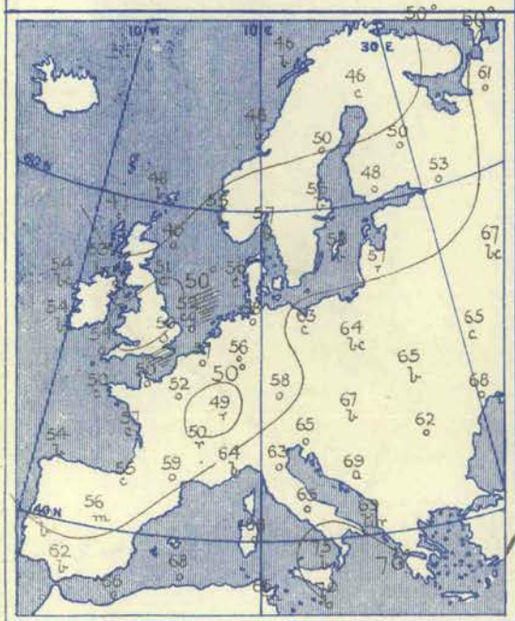
Temperature fallen generally, but risen in Russia. Morning readings highest, (1) 74° at Kiev, 71° at Odessa, (2) 72° at Cracow and Warsaw, (3) 71° at Leghorn, 70° at Cagliari and Palma, and 69° at Algiers. Remaining very low all day over our Islands—maxima 52° in the south-east—but rising to about 80° at many stations in central and southern Europe—to 86° at Breslau, Cracow, and Buda-Pesth—and to 90° at Tunis.

Wind at 8 a.m. cyclonic very generally, the chief circulation being around the Netherlands. Generally light or moderate in force, but Northerly and North-Easterly current fresh or strong in some parts of Scandinavia and on our own east coast. No great change later in direction but force increasing to a fresh gale at Skudesnaes and also at Tunis

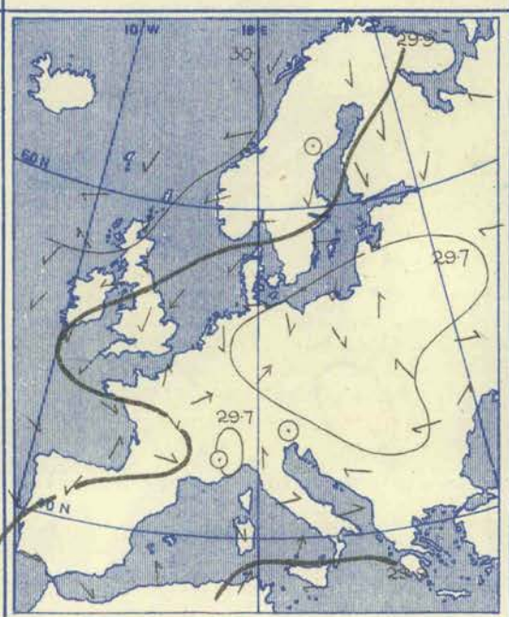
Barometer at 8 a.m. highest, 30·1 ins. and upwards to the north-westward and south-westward of our area. Lowest, nearly 29·7 ins. in a depression centred over Holland and in another system near St. Petersburg. Relatively low in a disturbance covering the eastern districts of Spain. Barometer falling slowly later over the central regions of Europe and the distribution of pressure becoming less regular. Scarcely any change taking place over the United Kingdom.

Wednesday, 7th June, 1905.

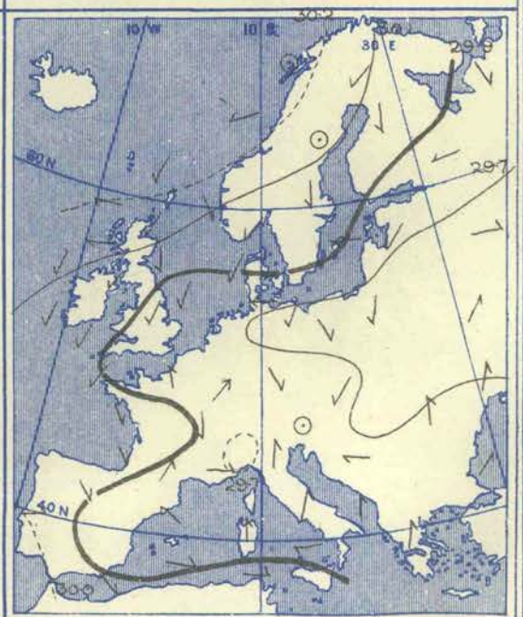
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the eastern half of our area, in some parts of Ireland, and at many stations in the Spanish Peninsula and Norway. Cloudy or overcast elsewhere, and rainy over the centre and east of England, at Le Mans, Belfort, Lyons, and Barcelona; a thunderstorm at Brindisi. Very large quantities of rain later in various parts of Germany, the Low Countries, and at some stations in southern Europe—heaviest falls, 2·68 ins. at Aix-la-Chapelle and 1·30 in. at Utrecht.

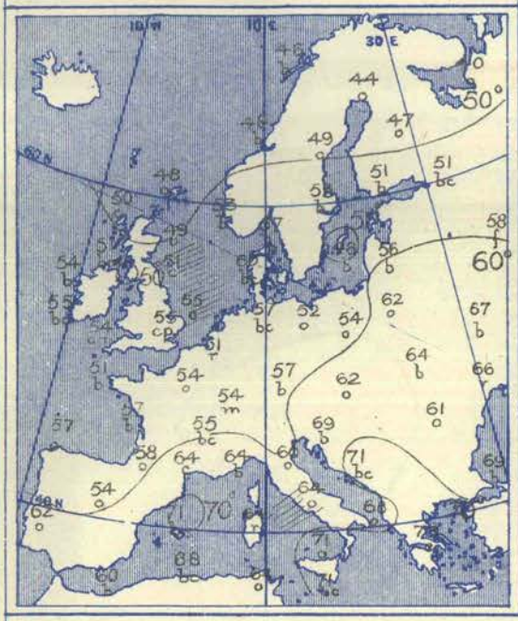
Temperature fallen except in central and northern Russia. Morning readings highest, (1) 75° at Palermo, 69° at Brindisi and Lesina, 68° at Leghorn and Algiers, (2) 72° at Kharkov, 67° at Moscow, 61° at Archangel. Lowest, 46° in the north of Scandinavia, 47° in the Hebrides, and between 48° and 50° in most parts of the United Kingdom, 49° at Belfort, 50° at Limoges, and 55° at Corunna. Remaining below 60° all day over our Islands and below 70° in most parts of France. Maxima above 80° at a few stations in central and southern Europe.

Wind at 8 a.m. light or moderate from the North-Eastward over all the northern and north-western countries and mainly Westerly in the south. No material change occurring later.

Barometer at 8 a.m. ranging from above 30·1 ins. in a large anticyclone off our north-western and northern coasts to below 29·7 ins. in a large irregularly shaped depression covering all the central countries and part of Russia, and also in a small minimum near Nice. High pressure area extending in both a southerly and easterly direction during day but scarcely any change taking place in the general distribution of pressure.

Thursday, 8th June, 1905.

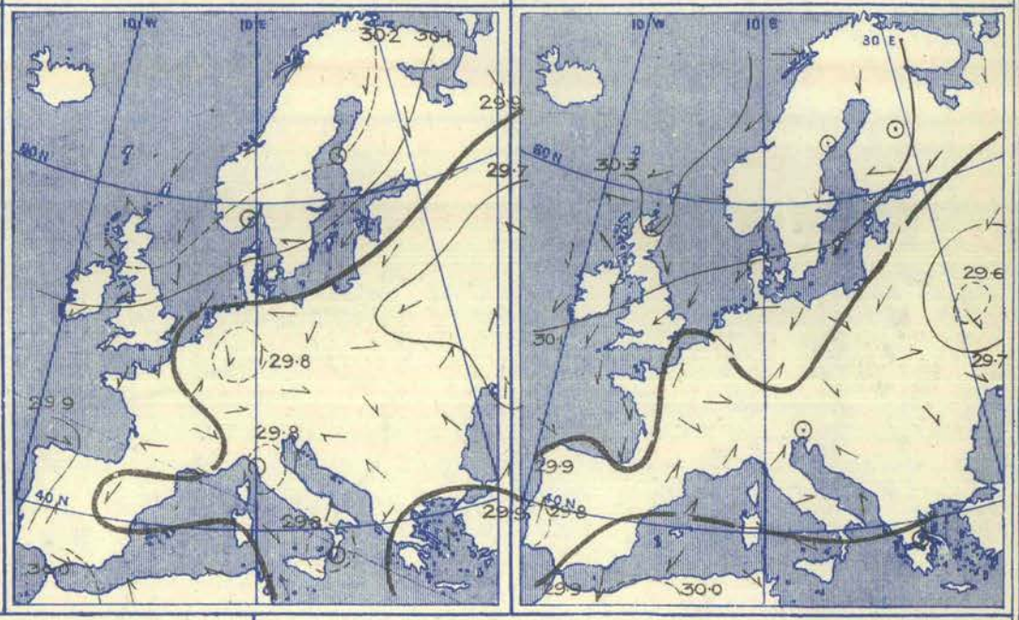
Temperature and Weather. 8 a.m.



Weather at 8 a.m. fair or fine in Algeria, Little Russia, on the shores of the Baltic, and in many parts of Scandinavia and Ireland. Showery or rainy over the southern and south-eastern counties of England and also at Brussels, Cape Gris Nez, Odessa, and at some Mediterranean stations. Slight rain later at our southern and south-eastern stations and heavy falls in various parts of the Continent, especially in Italy—as much as 2·0 ins. at Brindisi.

Temperature risen at most of our own stations, fallen over Europe generally. Morning readings highest, 73° at Athens, 71° at Palermo, Malta, Palma, and Lesina. Lowest, 40° at Archangel, 44° at Haparanda, 48° or 49° at most Scotch stations, 47° at Limoges, 54° at Madrid. Rising later to 93° at Sfax, 84° at Brindisi, and to nearly 80° at several other southern stations. Maximum 67° in London, but much lower on our east and north-east coasts—only 52° at North Shields.

Barometer and Wind. 8 a.m. and 6 p.m.

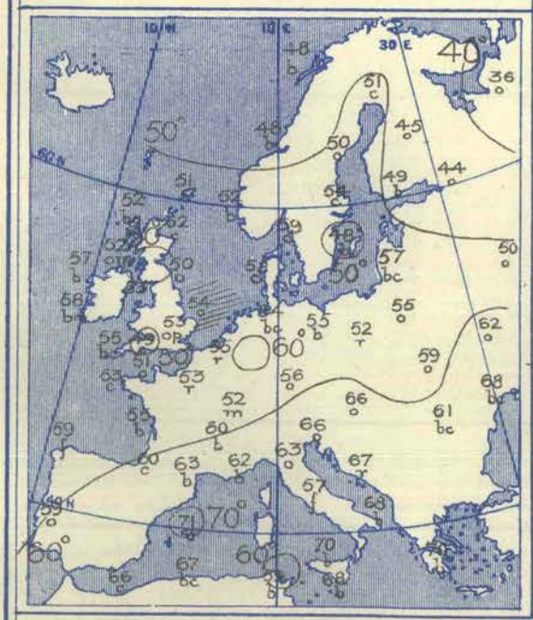


Wind in morning North-Easterly over all the northern and north-western parts of our area, fresh or strong over the Baltic and on the east coast of England, light variable airs prevalent elsewhere. Little change later except some increase of force over England.

Barometer at 8 a.m. ranging from above 30·2 ins. in a large anticyclone over the north-west of our area to below 29·7 ins. in an irregularly shaped shallow depression over southern Russia. Nearly as low in other minima found over the Netherlands and the western half of the Mediterranean. Russian disturbance increasing in depth by evening. Northern anticyclone extending slowly southwards.

Friday, 9th June, 1905.

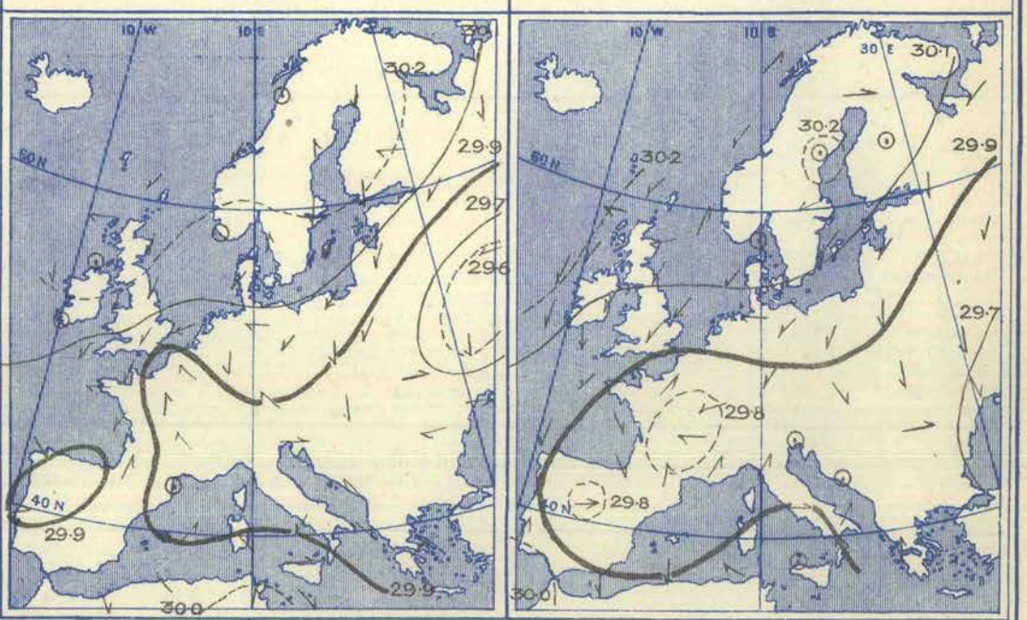
Temperature and Weather. 8 a.m.



Weather at 8 a.m. fine and bright in Norway and in a few other parts of our area, but cloudy or overcast generally, with rain over the south-east of England and the adjacent portion of the Continent and also at Lesina and Copenhagen. Fog prevailing at Cape Gris Nez and Corunna. Rain falling later in the south and south-east of England, nearly all parts of France, at Hermanstadt, Trieste, and in the south of Russia—largest falls, 0·9 in. at Nicolaieff and 1·6 in. at Trieste. A thunderstorm occurring at Perpignan.

Temperature fallen generally, risen in some places. Morning readings highest, 70° or a few degrees lower at several stations in the extreme south. Lowest, 36° at Archangel, 44° at St. Petersburg, about 50° in many parts of our Islands and France. Remaining below 60° all day at most stations in Great Britain, but touching or exceeding 70° in most parts of central and southern Europe, just reaching 81° in Greece, and rising to 95° at Sfax.

Barometer and Wind. 8 a.m. and 6 p.m.

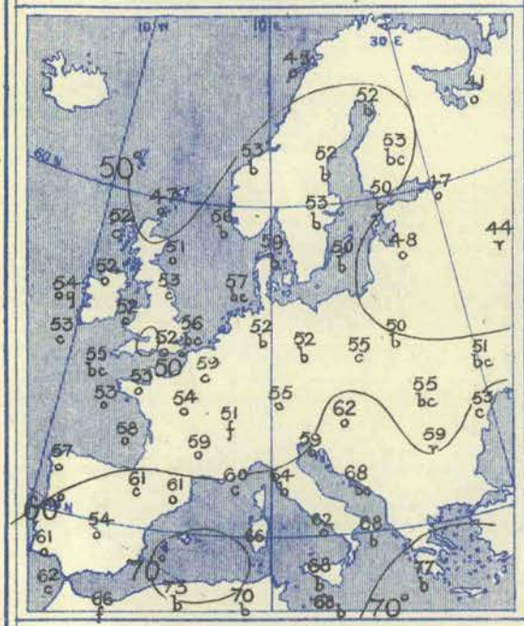


Wind continuing generally North-Easterly over all the more northern countries and variable in the south. Strong over the Baltic and on the east coast of England. Scarcely any change in the ensuing twenty-four hours, except a decrease of force on the Baltic.

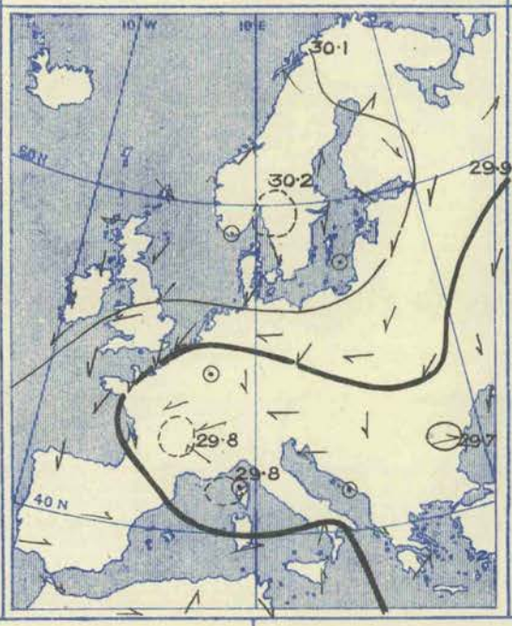
Barometer at 8 a.m. ranging from above 30·2 ins. in a large area embracing the north of our Islands and most of Scandinavia to 29·6 ins. in a depression over Russia. Pressure relatively low in an ill-defined disturbance over France. Latter system becoming more marked by evening and Russian disturbance travelling southwards. Pressure decreasing slowly within the anticyclonic region.

Saturday, 10th June, 1905.

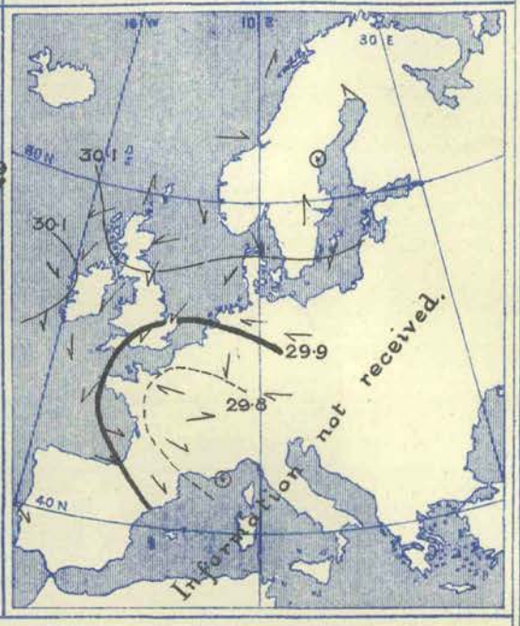
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather at 8 a.m. fine and bright over Algeria, several parts of central Europe, Scandinavia, and Finland; cloudy or overcast elsewhere, with rain at Moscow, Hermanstadt, various places in the north of France, and showers at Portland Bill. Rain falling later over the south and south-east of England, at Brussels, and in many parts of France. A sharp thunderstorm occurring in London during the afternoon—largest amounts of rain, 0·97 in. in London, and 0·79 in. at Paris.

Temperature changed rather irregularly, but fallen in most places. Morning readings highest, 77° at Athens, 73° at Algiers, 68° at Lesina and Leghorn. Lowest, 41° at Archangel, 44° at Moscow, 45° at Bodö, 47° at Sumburgh Head, 49° at Oxford, and 51° at Belfort. Rising later to 77° at Lyons, to about 70° at some other French stations and in Germany, and to about 63° in the south of England.

Wind in morning light anticyclonic over Scandinavia, North-Easterly, light to fresh over our Islands and the nearer parts of the Continent, and light and rather variable over the southern half of our area. Scarcely any change occurring over western Europe during day.

Barometer at 8 a.m. highest, above 30·1 ins. in a large area embracing Ireland, Scotland, Scandinavia, Denmark, and Finland. Lowest 29·7 ins. and less in a depression over Transylvania, and about 29·8 ins. in other systems over France. Pressure giving way later over Sweden, Denmark, Germany, and in most other parts of western Europe, but increasing slightly in the west of France.

IV.—GENERAL NOTES.

At the commencement of the week pressure was highest over central Europe and lowest in the north and north-east, while an irregularly formed disturbance covered the Low Countries and extended thence to the west of France. By Tuesday the French depression had become rather deeper and extended eastwards to Germany while the barometer had become highest to the north-westward of Scotland. During the remainder of the week depressions, often of irregular shape and always shallow, were found over the central countries, southern Russia, and France, while the area of high readings to the north-west of Scotland gradually extended to Scandinavia and Finland. The various disturbances were the cause of violent thunderstorms and extremely heavy rain in several parts of central Europe, and of very dull weather and large quantities of rain over the southern and south-eastern counties of England and the adjacent parts of the Continent. The main current of wind was North-Easterly over all the northern countries and was sometimes fresh or strong on the Baltic and the east and south-east coasts of England. The general level of temperature was, after the first few days, very low except in the most southern regions.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 134.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	50·6	+14·1	41	+ 11	CROMER	31·9	—	28	—	BOGNOR	11·6	—	10	—
STRATHPEFFER SPA	28·4	- 9·7	23	- 8	LOWESTOFT	23·8	—	21	—	VENTNOR HOSPITAL	11·5	- 35·1	10	- 31
CRATHES	23·7	—	19	—	DUNMOW	14·2	—	13	—	BOURNEMOUTH	17·1	—	15	—
BALRUDDERY	51·3	—	42	—	SHEFFIELD	45·8	—	40	—	MARLBOROUGH	11·7	- 31·8	10	- 28
EDINBURGH	47·7	+12·4	40	+ 10	WORKSOP	43·0	+ 5·4	37	+ 5	SOUTHPORT	61·3	—	52	—
COCKLE PARK	37·6	—	32	—	MARGATE	—	—	—	—	RHYL	—	—	—	—
NEWCASTLE-on-TYNE	24·0	—	20	—	BROADSTAIRS	11·1	—	10	—	ABERDOVEY	47·0	—	41	—
SALTBURN-by-the-SEA	27·6	—	23	—	RAMSGATE	11·7	—	10	—	TENBY	45·6	- 8·2	40	- 7
YORK	49·0	+ 8·7	42	+ 8	EASTBOURNE	14·9	- 36·5	13	- 32	TORQUAY	16·4	- 38·4	15	- 34
SKEGNESS	18·1	—	16	—	BRIGHTON	9·6	- 42·0	9	- 37	NEWQUAY	43·5	- 8·5	39	- 8
					WORTHING	13·0	—	12	—	GUERNSEY	11·5	- 47·6	10	- 43

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 18, page 104	Birmingham (Edgbaston)	—	—	—	—	—	—	—	—	—	—	—	26·9	—	26	—
,, 18 ,, 108	York	—	—	—	—	—	—	—	—	—	—	—	34·3	- 3·0	32	- 3
,, 19 ,, 110	Birmingham (Edgbaston)	—	—	—	—	—	—	—	—	—	—	—	33·9	—	32	—
,, 19 ,, 114	York	—	—	—	—	—	—	—	—	—	—	—	? 38·6	-1·1	? 35	-1
,, 20 ,, 116	Cullompton	—	41	—	—	—	—	—	—	—	—	—	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 24. TWENTY-FOURTH WEEK, ENDING SATURDAY, JUNE 17TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 140.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	71	37	63·4	45·1	53·6	2 above	81	+10	0	0	527	−60	476	− 80
	1. SCOTLAND, EAST	70	34	62·5	42·3	51·7	2 below	68	−18	0	0	654	−74	505	−100
	2. ENGLAND, N.E.	76	42	63·4	48·3	55·4	0 (average)	94	0	0	0	791	+43	374	−124
	3. ENGLAND, EAST	76	46	65·5	52·2	58·4	2 above	115	+ 8	0	0	902	−15	349	−193
	4. MIDLAND COUNTIES	77	40	68·9	49·1	58·3	2 above	114	+ 7	0	0	922	−32	394	−157
	5. ENGLAND, SOUTH	78	44	66·4	52·4	58·9	1 above	118	+ 3	0	0	963	−65	268	−135
Principal Grazing Districts.	6. SCOTLAND, WEST	73	39	67·1	48·1	57·0	2 above	105	+12	0	0	781	−11	313	−112
	7. ENGLAND, N.W.	74	32	67·9	48·3	57·4	1 above	108	+ 7	0	0	829	−15	273	−131
	8. ENGLAND, S.W.	72	39	65·2	51·5	57·9	1 above	111	+ 4	0	0	947	−49	222	− 85
	9. IRELAND, NORTH	72	41	65·0	50·2	57·1	2 above	106	+11	0	0	852	−29	271	− 81
	10. IRELAND SOUTH	78	40	66·7	51·5	58·6	2 above	116	+12	0	0	1071	+21	166	− 92
	— CHANNEL ISLANDS	75	51	63·5	52·8	57·8	0 (average)	111	− 2	0	0	1188	+35	55	− 65

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 140.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	1	1	5 less	125	+23	23·1	+ 4·4	74	+37	59	+30	572	− 5	28	0
	1. SCOTLAND, EAST	1	less than half	5 less	95	+ 9	10·3	− 2·1	66	+26	54	+21	628	−30	30	− 1
	2. ENGLAND, N.E.	2	6	1 more	73	− 8	6·4	− 3·3	67	+32	56	+27	675	−18	33	− 1
	3. ENGLAND, EAST	3	8	4 more	84	+ 2	9·5	+ 0·2	62	+12	54	+11	762	+17	37	+ 1
	4. MIDLAND COUNTIES	4	11	6 more	82	+ 4	8·9	− 2·1	40	− 9	34	− 8	632	−17	31	− 1
	5. ENGLAND, SOUTH	4	8	4 more	83	+ 7	12·0	+ 0·8	44	− 5	38	− 4	725	− 8	35	0
Principal Grazing Districts.	6. SCOTLAND, WEST	1	6	1 less	98	+ 9	19·5	− 0·9	75	+27	63	+23	718	+49	35	+ 2
	7. ENGLAND, N.W.	3	11	5 more	87	+ 4	11·9	− 1·1	57	+14	49	+12	709	+99	34	+ 5
	8. ENGLAND, S.W.	5	8	3 more	87	+ 2	13·6	− 1·7	38	−13	34	−11	709*	−47	34	− 2
	9. IRELAND, NORTH	3	5	1 less	109	+ 8	14·7	+ 0·2	65	+25	55	+21	738	+99	36	+ 5
	10. IRELAND, SOUTH	3	4	2 less	101	+ 9	15·2	− 1·9	49	+ 5	42	+ 4	697	−21	34	− 1
	— CHANNEL ISLANDS	5	10	6 more	96	+ 7	12·8	− 0·2	48	−10	43	− 9	790	−90	38	− 4

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather during this week varied a good deal. At first it was dull and rainy in the south of England and very fine elsewhere, but subsequently fair or fine in the former region also. Towards the end of the week, however, unsettled rainy weather again set in over our southern counties and extended quickly northward to all parts of the Kingdom. Thunderstorms were experienced locally over England during the earlier days or about the middle of the week and on Saturday were rather general.

Temperature was 1° or 2° above the mean in most districts, but only just equal to it in England N.E. and the Channel Islands, and 2° below it in Scotland E. The highest of the maxima occurred on rather variable dates, but mainly during the latter half of the week. They ranged from 78° in England S. and Ireland S. and 77° in the Midland Counties to 70° in Scotland E. The date of the registration of the absolute minima were also irregular. In England N.W. the thermometer fell to 32° (at Newton Rigg on the 13th) and in Scotland E. to 34° (at Braemar on the 11th), while elsewhere the lowest readings ranged from 37° in Scotland N. to 46° in England E. and to 51° in the Channel Islands.

Rainfall was almost entirely lacking in the north and east of Scotland and was less than the mean in Scotland W. and over Ireland. In all the English districts there was a rather large excess. At Clifton an inch was measured on the 12th, and at many stations in the eastern, central, and north-western counties a fall of an inch or more occurred at the end of the period, the largest measurement being 1·69 in. at Nottingham.

Bright Sunshine exceeded the mean generally, but was deficient in the Midland Counties and England S. and S.W. The percentage of the possible amount of duration ranged from 63 in Scotland W. and 59 in Scotland N. to 38 in England S. and 34 in the Midland Counties and England S.W.

Barometer and Wind. During the whole of this period the barometer was highest to the north-eastward of our Islands, and lowest in shallow disturbances over France, the Channel, or off our most south-west coasts. The general current of wind was consequently North-Easterly or Easterly and its force light to moderate or fresh. Quite at the end of the week a change in the general distribution of pressure was occasioned by the French depressions moving slowly northwards over England.

3757 Wy. & S. Ltd.
370 6 | 05

II.—DATA from which the SUMMARY on page 139 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
June 11-17, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
O. SCOTLAND, N.	Sumburgh Head	58	41	55·9	44·4	49·8	+ 0·5	55	0	1	0·05	- 0·39	*	*	*	*
	Stornoway	71	45	67·4	47·3	56·7	+ 4·8	103	0	0	0·00	- 0·55	95·8	+ 53·1	77	+ 42
	Wick	65	43	61·0	47·4	53·7	+ 2·0	82	0	2	0·21	- 0·19	*	*	*	*
	Lairg Ⓢ	69	37	66·4	40·3	52·4	+ 0·3	80	5	1	0·10	- 0·42	*	*	*	*
	Glencarron Ⓢ	70	43	65·8	45·2	54·8	+ 1·7	90	0	0	0·00	- 1·14	*	*	*	*
	Fort Augustus Ⓢ	70	43	63·7	45·9	54·2	0·0	85	0	0	0·00	- 0·50	69·6	+ 39·3	57	+ 32
1. SCOTLAND, E.	Nairn	70	38	64·3	39·9	51·3	- 3·0	74	6	1	0·02	- 0·38	*	*	*	*
	Aberdeen	62	36	59·0	44·7	51·4	- 2·0	66	0	2	0·02	- 0·41	61·9	+ 18·2	50	+ 15
	Braemar Ⓢ	67	34	64·0	36·7	49·4	- 2·5	74	15	0	0·00	- 0·54	*	*	*	*
	Clathick Ⓢ	68	36	66·2	41·6	53·0	- 2·4	79	1	0	0·00	- 0·65	*	*	*	*
	Leith	62	43	59·9	46·6	52·8	- 2·5	76	0	2	0·02	- 0·41	*	*	*	*
	Marchmont Ⓢ	65	40	61·3	44·3	52·2	- 1·1	71	0	0	0·00	- 0·57	77·3	+ 35·9	64	+ 30
2. ENGLAND, N.E	Alnwick Castle	65	42	61·1	46·2	53·1	- 0·4	78	0	0	0·00	- 0·45	*	*	*	*
	Durham	66	45	63·0	47·4	54·7	- 0·5	89	0	1	0·04	- 0·40	67·8	+ 28·7	57	+ 24
	Shields	59	47	57·4	48·1	52·4	- 1·7	73	0	1	0·02	- 0·40	*	*	*	*
	Scarborough Ⓜ	63	48	60·5	49·3	54·5	- 0·6	88	0	1	0·16	- 0·30	59·1	—	50	—
	Spurn Head	65	49	60·9	51·1	55·7	+ 0·4	96	0	2	0·46	+ 0·10	*	*	*	*
	Lincoln	76	47	70·9	48·8	59·1	+ 1·9	120	0	2	1·47	+ 0·99	*	*	*	*
	Fulbeck (Lincolnshire)	76	42	70·2	47·4	58·0	+ 0·8	112	0	4	1·74	+ 1·28	59·0	—	51	—
3. ENGLAND, E.	Hillington Ⓜ	76	48	69·0	50·6	59·2	+ 2·3	120	0	3	1·22	+ 0·72	69·0	+ 23·6	60	+ 20
	Yarmouth	66	53	62·3	54 9	58·3	+ 2·4	114	0	1	0·74	+ 0·30	*	*	*	*
	Geldeston	75	49	67·4	51·1	58·7	+ 2·2	117	0	2	0·71	+ 0·31	78·0	+ 28·9	67	+ 25
	Cambridge	75	46	69·4	49·9	59·0	+ 1·0	119	0	4	0·98	+ 0·50	46·5	+ 0·5	40	0
	Felixstowe	67	51	62·1	53·4	57·5	+ 1·3	109	0	4	0·60	—	57·5	—	50	—
	Clacton-on-Sea	67	51	62·7	54·0	58·1	+ 1·7	113	0	4	0·56	—	51·1	—	44	—
	Rothamsted	73	48	66·7	50·5	58·0	+ 1·2	112	0	5	1·07	+ 0·59	40·8	- 3·6	35	- 3
	Shoeburyness	71	50	64·6	53·4	58·6	+ 1·4	116	0	4	0·73	+ 0·37	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	70	42	67·5	44·9	55·4	+ 0·8	94	0	2	0·93	+ 0·29	70·4	—	60	—
	Bawtry (Hesley Hall)	77	40	73·7	44·3	58·0	+ 1·0	112	0	1	1·17	+ 0·67	*	*	*	*
	Nottingham	74	45	69·0	48·7	58·1	+ 0·7	113	0	4	1·90	+ 1·39	47·5	—	41	—
	Colly Weston (Stamford)	76	46	71·3	50·9	60·4	+ 3·0	129	0	5	1·07	+ 0·63	*	*	*	*
	Cheadle Ⓜ	71	46	67·4	49·3	57·7	+ 2·7	110	0	4	0·57	- 0·07	*	*	*	*
	Birmingham (Edgbaston)	72	46	67·7	48·7	57·5	+ 1·1	109	0	3	0·55	+ 0·05	20·9	—	18	—
	Shrewsbury	73	43	69·9	50·7	59·6	+ 2·4	123	0	5	0·93	—	*	*	*	*
	Hereford Ⓜ	71	45	68·6	51·0	59·2	+ 1·5	120	0	7	1·30	+ 0·84	*	*	*	*
	Cirencester	72	47	66·6	51·1	58·3	+ 2·1	114	0	5	1·11	+ 0·61	30·0	- 16·1	26	- 14
	Oxford	73	47	67·7	51·6	59·1	+ 1·3	120	0	4	1·36	+ 0·88	24·5	- 20·9	21	- 18
	Westminster	74	50	68·0	52·7	59·8	+ 0·8	125	0	5	0·70	—*	42·6	+ 4·1	37	+ 4
5. ENGLAND, S.	London (Brixton)	78	50	70·0	53·4	61·1	+ 2·0	134	0	5	0·89	+ 0·45	41·7‡	- 0·3‡	37‡	0‡
	Wisley (Surrey)	73	45	67·4	51·4	58·8	- 0·5	118	0	5	0·74	—	36·7	—	32	—
	Swarraton (Alresford) Ⓜ	72	44	66·8	50·8	58·2	+ 2·3	113	0	4	1·69	+ 1·25	*	*	*	*
	Tunbridge Wells Ⓜ	74	48	67·9	51·8	59·3	+ 1·9	121	0	4	1·08	—	47·1	—	41	—
	Dungeness	68	50	63·6	54·1	58·5	+ 1·3	116	0	4	0·54	+ 0·24	47·6	—	42	—
	Hastings (St. Leonards)	70	51	66·8	53·9	59·9	+ 2·6	125	0	4	0·55	+ 0·16	51·9	- 1·2	46	- 1
	Southampton	74	50	68·8	53·6	60·7	+ 1·6	131	0	3	0·93	+ 0·50	45·0	- 5·1	40	- 5
	Portland Bill	65	48	61·9	51·6	56·4	+ 0·3	101	0	5	0·28	—	*	*	*	*
	Shaftesbury Ⓜ	69	47	64·5	50·7	57·1	+ 1·1	106	0	4	0·65	+ 0·15	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	73	48	70·0	50·7	59·7	+ 4·7	124	0	0	0·00	- 0·93	*	*	*	*
	Glasgow	66	42	64·5	47·4	55·4	+ 0·3	94	0	1	0·15	- 0·49	80·1	+ 42·8	66	+ 35
	Cally Ⓢ	68	44	66·3	46·4	55·7	+ 0·9	96	0	1	0·35	- 0·39	*	*	*	*
	Aspatria	72	39	69·4	43·9	55·8	+ 1·4	97	0	1	0·70	—	81·4	—	68	—
	Douglas (Isle of Man)	68	42	65·2	52·1	58·2	+ 3·3	113	0	3	1·93	+ 1·39	63·1	+ 11·9	54	+ 10
7. ENGLAND, N.W.	Newton Rigg	71	32	65·8	41·1	52·6	- 1·6	78	3	2	0·85	—	80·6	—	68	—
	Stonyhurst	70	44	68·0	48·9	57·8	+ 1·9	111	0	1	1·58	+ 0·84	61·7	+ 16·7	53	+ 14
	Blackpool Ⓜ	73	38	68·8	45·9	56·6	+ 0·2	102	0	2	1·16	+ 0·66	64·4	+ 19·5	55	+ 17
	Manchester (Prestwich)	73	46	68·3	48·3	57·6	+ 1·7	109	0	2	1·37	+ 0·70	59·3	—	51	—
	Liverpool Obsy. (Bidston)	72	44	69·9	50·9	59·7	+ 2·5	124	0	4	1·28	+ 0·81	55·9	—	48	—
	Chester (Hawarden Bridge)	74	39	70·2	48·0	58·3	+ 0·9	114	0	4	0·85	—	*	*	*	*
	Llandudno Ⓜ	72	44	67·8	51·6	59·1	+ 2·0	120	0	4	0·95	+ 0·51	52·2	+ 5·9	45	+ 5
	Holyhead	69	47	64·1	51·9	57·6	+ 1·5	109	0	5	0·97	+ 0·53	*	*	*	*
	Bettws-y-Coed	71	39	67·9	47·9	57·2	+ 1·1	106	0	4	0·53	—	38·0	—	33	—
8. ENGLAND, S.W.	Llangammarch Wells	69	39	66·6	48·4	56·9	+ 1·7	104	0	5	0·29	—	34·4	—	30	—
	Pembroke	65	47	62·3	51·9	56·7	+ 1·0	103	0	4	0·36	- 0·08	48·3	- 6·1	42	- 5
	Cardiff	70	43	66·2	52·0	58·6	+ 1·4	116	0	6	0·89	—	*	*	*	*
	Clifton	72	49	67·4	53·2	59·8	+ 2·2	125	0	4	1·19	+ 0·68	*	*	*	*
	Bath	71	46	67·0	51·6	58·8	+ 1·0	118	0	4	1·03	+ 0·53	36·7	—	32	—
	Arlington (N. Devon)	69	44	66·1	49·6	57·3	+ 1·9	107	0	6	0·56	- 0·14	*	*	*	*
	Cullompton Ⓜ	72	43	66·6	50·8	58·2	+ 0·8	113	0	6	0·65	+ 0·12	32·2	- 15·1	28	- 13
	Falmouth	65	50	62·3	53·1	57·4	+ 0·1	108	0	5	1·40	+ 0·84	33·8	- 20·7	30	- 18
	Plymouth	67	47	62·2	52·7	57·1	- 1·2	106	0	5	0·69	+ 0·23	38·8	- 11·8	34	- 11
9. IRELAND, N.	Malin Head	61	44	58·9	48·1	53·1	- 1·4	78	0	2	0·30	- 0·23	*	*	*	*
	Edenfel (Omagh)	72	41	69·3	49·7	58·8	+ 4·1	118	0	2	0·40	- 0·26	*	*	*	*
	Blacksod Point	71	50	66·9	54·1	60·1	+ 4·4	127	0	2	0·53	- 0·10	*	*	*	*
	Markree Castle	70	41	67·7	49·9	58·2	+ 3·6	113	0	2	0·39	- 0·35	64·8	+ 25·4	55	+ 22
	Armagh	69	42	65·7	49·1	56·8	+ 1·3	104	0	4	0·51	- 0·03	64·2	+ 23·9	54	+ 20
	Donaghadee	65	47	61·4	50·3	55·5	+ 0·4	95	0	3	0·79	+ 0·28	*	*	*	*
10. IRELAND, S.	Dublin	67	46	65·1	52·1	58·2	+ 0·8	113	0	3	0·45	0·00	58·2	+ 12·2	50	+ 10
	Birr Castle	72	40	68·4	49·9	58·5	+ 2·4	116	0	3	0·23	- 0·33	51·8	+ 12·2	45	+ 11
	Kilkenny	69	43	65·9	50·7	57·8	+ 1·4	111	0	3	0·30	- 0·25	*	*	*	*
	Waterford	78	43	70·6	51·9	60·6	+ 4·3	130	0	3	0·51	- 0·08	*	*	*	*
	Roche's Point	64	46	61·1	52·3	56·4	- 0·9	101	0	5	0·65	- 0·04	*	*	*	*
	Valencia	69	43	64·7	51·4	57·6	+ 1·3	109	0	5	0·56	- 0·25	37 0	- 9·2	32	- 8
	Killarney	71	42	67·4	51·0	58·6	+ 2·7	116	0	4	0·34	- 0·32	*	*	*	*
	Foynes	75	46	70·5	52·6	60·9	+ 4·8	132	0	1	0·16	- 0·44	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	63	51	60·9	52·0	56·1	- 1·0	99	0	4	0·43	+ 0·03	52·5	- 5·4	47	- 5
	Jersey (St. Aubyn's)	75	51	66·1	53·6	59·4	+ 1·0	122	0	5	1·57	+ 1·13	44·0	- 13·4	39	- 12

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

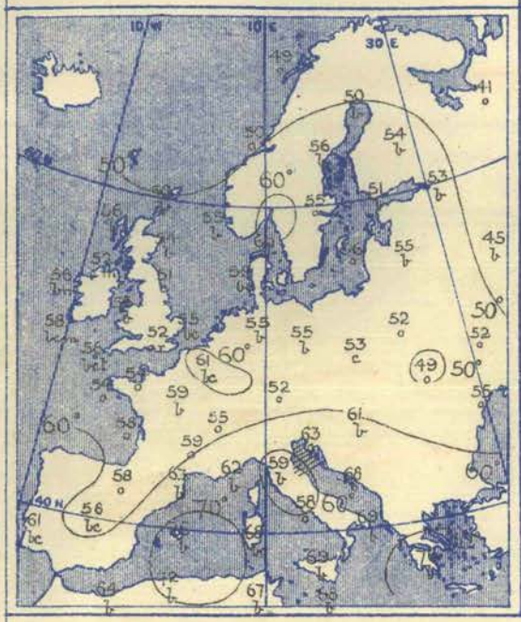
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

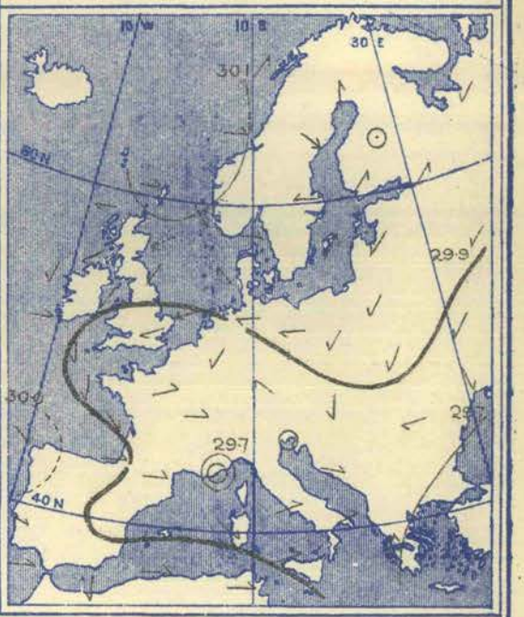
Sunday, 11th June, 1905.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.

Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in the north and west of our Islands and over the greater part of the Continent. Dull over our southern and south-eastern counties and the north of France, with rain in many places, and thunder at Scilly. A thunderstorm prevailing at Rome and rain at Nicolaieff. Rain falling later over our more southern and south-eastern counties, in many parts of France and Italy, as well as at Flushing, some Austrian stations, and at Odessa. Thunderstorms occurring in the north of France and at Nice.

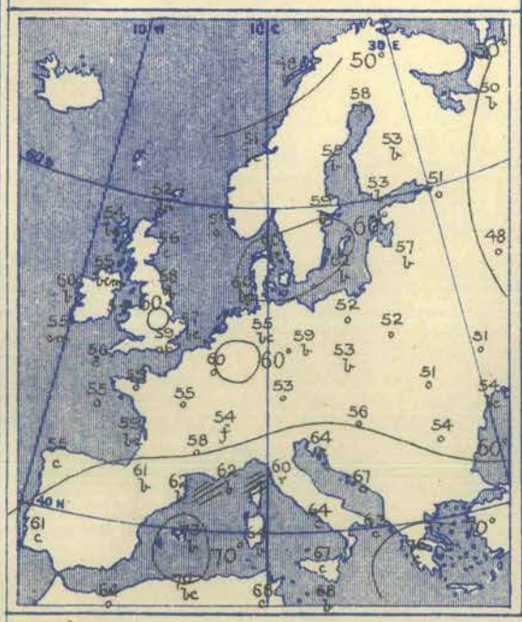
Temperature fallen somewhat in most places. Morning reading highest, 76° at Athens and Palma, 72° at Algiers, 69° at Palermo and Brindisi, and 65° at Trieste. Lowest, 41° at Archangel, 45° at Moscow, 49° at Bodö, 50° in the Shetlands, 51° at Oxford, and 52° in London and at Munich. Rising subsequently to 70° at Hernösand, above it at some stations in central Europe, and to about 80° in some southern localities. Highest readings, 81° at Algiers and 86° at Patras.

Wind at 8 a.m. showing a cyclonic circulation around France and also around the Gulf of Genoa. North-Easterly current blowing freshly on our own east coast, but force light or moderate generally. Little change later.

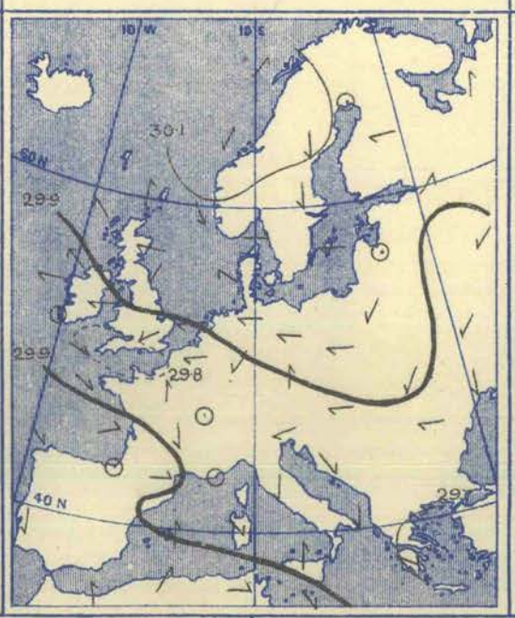
Barometer at 8 a.m. highest in the north-west and lowest in the south-east of our area. Relatively low in depressions over the north-east of France and the Gulf of Genoa. No great change taking place in the general distribution of pressure later, but mercury falling slowly in most parts of western Europe. French depression becoming less well defined.

Monday, 12th June, 1905.

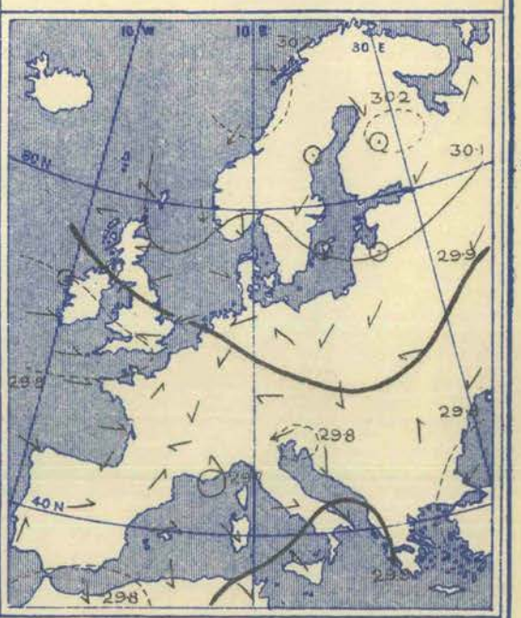
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. showery at many of our own southern and south-eastern stations. Fine and bright in nearly all other regions, but rainy at Florence and Pesaro, and cloudy or overcast at some stations in central Europe. Considerable or heavy rain falling during day over our own southern and south-eastern districts, at Brussels, and in various parts of France. Thunderstorms occurring at Margate and over the north-east and south-west of France. Heaviest rainfall, 1·9 in. at Dunkirk, 0·7 in. at Cape Gris Nez and Bath—as much as 0·7 in. also falling at Constantinople.

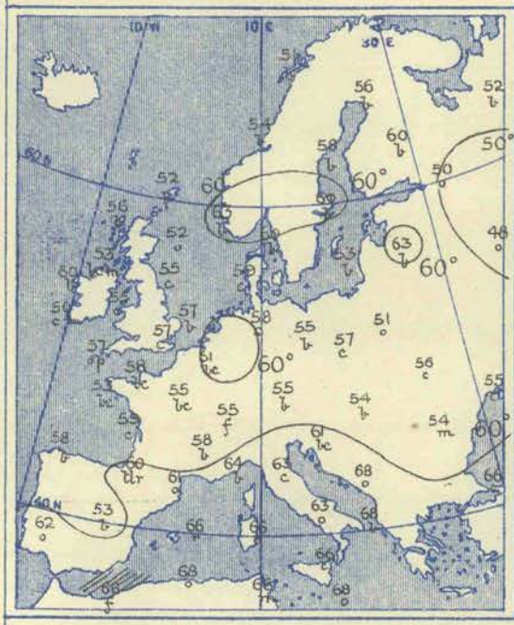
Temperature in morning ranging from 76° at Patras, 73° at Palma, and about 70° at a few other southern stations, to below 60° over our Islands and nearly all of central Europe, and to 48° at Bodö and Moscow. Rising later to 74° at Southport, but remaining below 60° on the north-east coast of England. Maxima, 95° at Sfax, 79° at Palermo, and above 70° in most other Continental localities.

Wind at 8 a.m. circulating cyclonically around the English Channel, the Easterly current blowing strongly on the coast of Norfolk. Light or moderate from between North and East over the north of our Islands generally, and from various directions in the south. No important change later.

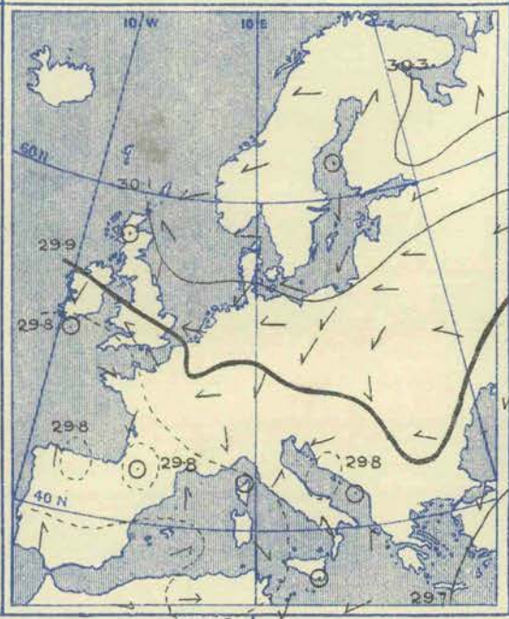
Barometer at 8 a.m. ranging from 30·1 ins. in an anticyclone over the north of Scandinavia, to below 29·8 ins. in a depression centred over the English Channel, and to below 29·7 ins. in a system over the Grecian Archipelago. Northern high pressure increasing in intensity during day and Channel disturbance travelling slowly westwards. Barometer falling and some shallow minima developing over the western half of the Mediterranean.

Tuesday, 13th June, 1905.

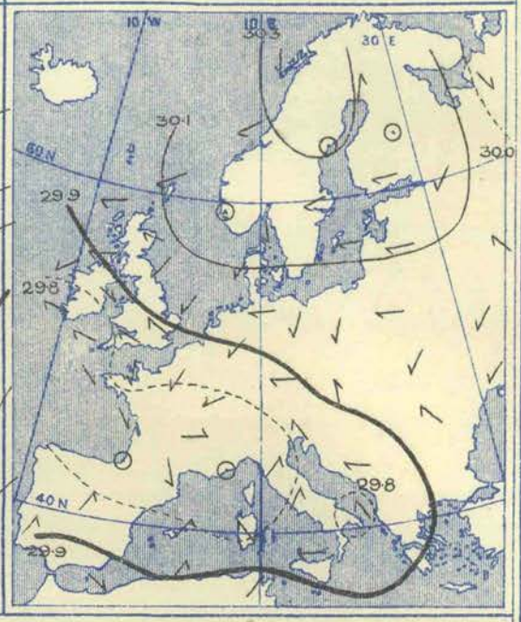
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most places, but a thunderstorm prevailing at Biarritz, rain at Oporto, Nottingham, and Liverpool, and showers on the south-west coasts of England. A thunderstorm and 0·6 in. of rain experienced later at Liverpool, and thunderstorms and rain in various parts of France. Heavy rain, 1·4 in., falling at Palermo, and 1·2 in. at Brussels.

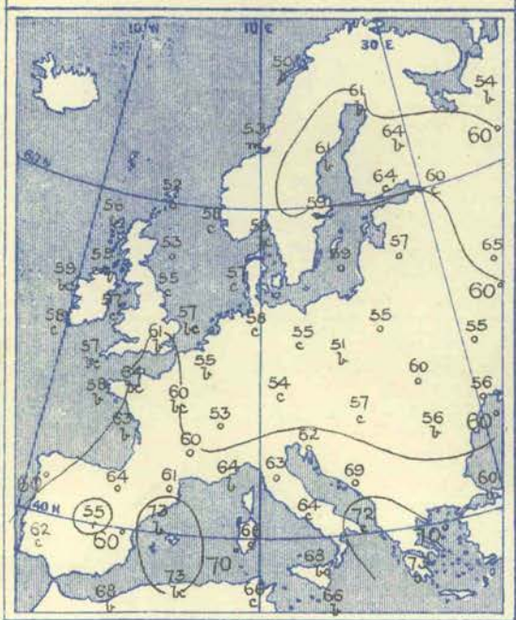
Temperature changed irregularly. Morning readings highest, 70° at Barcelona, 68° at Algiers, Malta, and Brindisi. Lowest, 48° at Moscow, 50° at St. Petersburg, 51° at Warsaw and Bodö, 52° at Sumburgh Head and Aberdeen. Rising subsequently to 70° or 71° at Stornoway, Blacksod Point, Harrogate, and Oxford, to some degrees higher over Germany and southern Europe, and to 95° at Sfax. Temperature remaining below 60° at several of our east coast stations.

Wind at 8 a.m. Easterly or South-Easterly over our Islands and northern Europe generally, but Westerly in the Scilly Isles. Fresh in force in a few places, but light as a whole. Variable and light winds prevailing over all the more southern regions. No decided change occurring later as a whole, but a feeble cyclonic circulation setting in over the centre of France and the wind at Scilly shifting to East-South-East.

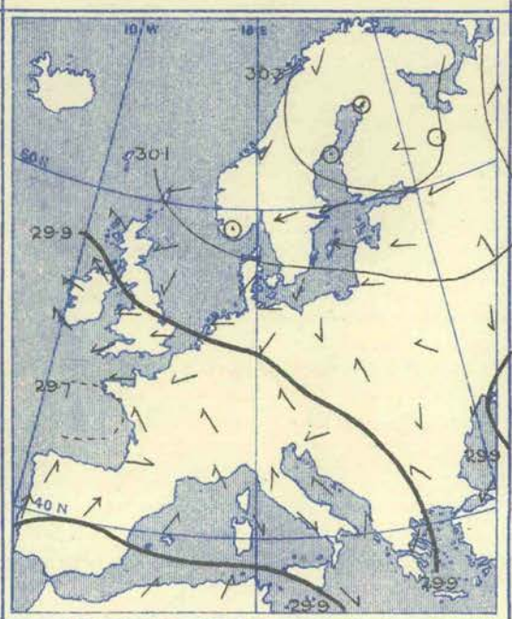
Barometer at 8 a.m. highest, 30·3 ins. and upwards over Finland and the north of Russia. Lowest, 29·69 ins. at Constantinople; 29·74 ins. at the Scilly Isles and below 29·8 ins. in an irregularly shaped area extending from the south of Ireland to the Mediterranean. Pressure falling briskly in the north of Russia during day and slowly over France. Little modification taking place in the general distribution of pressure.

Wednesday, 14th June, 1905.

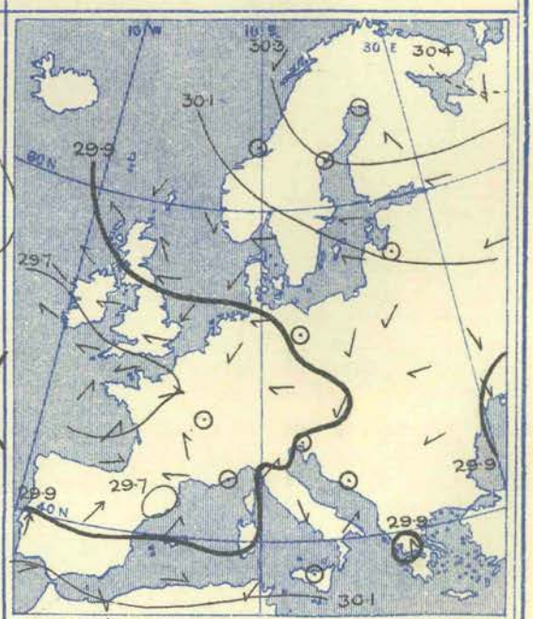
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over our area generally, but cloudy or overcast in some parts of central Europe and the Spanish Peninsula, with rain at Madrid. Thunderstorms and heavy rain later in the south of France and heavy rain at Buda-Pesth and in a few other Continental localities. Slight rain at some of our own stations, with thunder and lightning at Pembroke.

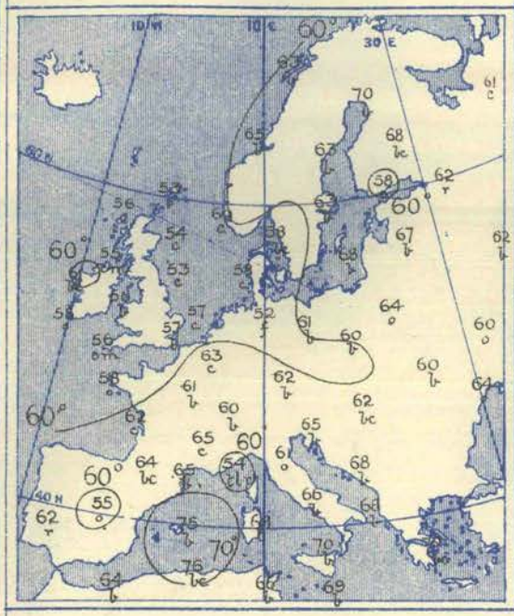
Temperature risen over Russia and France; no decided change shown elsewhere. Morning readings highest, 78° at Patras, Algiers, and Barcelona, 69° at Lesina, 65° at Moscow, 64° at Helsingfors, and 61° in the north of Sweden. Lowest, 50° at Bodö, 51° at Wick, Nottingham, Prague, and Cracow, 53° at Belfort, and 55° at Madrid. Maxima during day, 93° at Sfax, about 75° in most parts of southern Europe, above 70° in Germany, the north of Sweden, and at a few of our own stations.

Wind at 8 a.m. blowing from some Easterly point in nearly all parts of our area, but from South-West to West in the Spanish Peninsula. Light or moderate generally, but fresh or strong at some of the more northern stations. No important change taking place later.

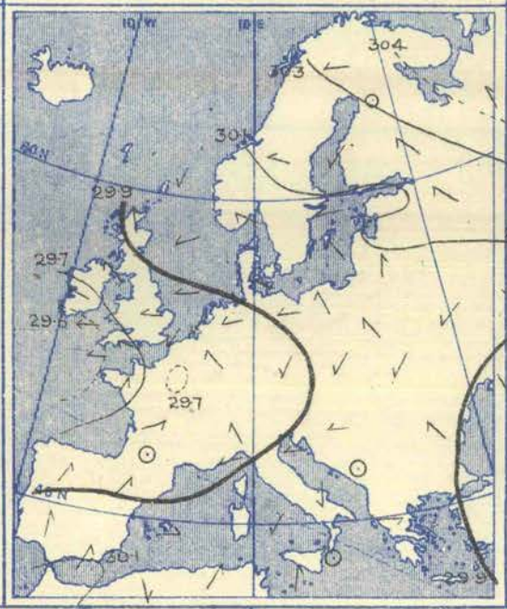
Barometer at 8 a.m. highest, above 30·3 ins. over the north of Scandinavia, Lapland, and Finland. Lowest, about 29·7 ins. in a depression over the Bay of Biscay, and below 29·9 ins. in another disturbance over the Crimea. Barometer falling slowly later over our Islands and the western countries generally, rising briskly in the north of Russia.

Thursday, 15th June, 1905.

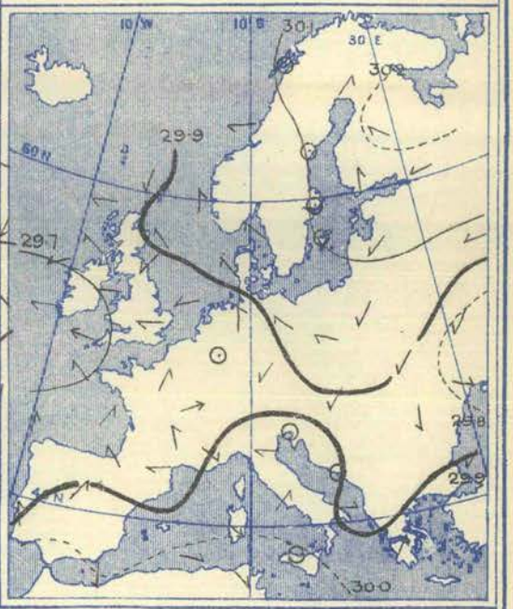
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most parts of our area, but overcast in places, rainy at Lisbon, and a thunderstorm prevailing at Nice. Rain later in various parts of the Spanish Peninsula, at some stations in Poland and Little Russia, over France, and in various parts of our Islands and Sweden. Thunderstorms very general in France and rather so in the south of England.

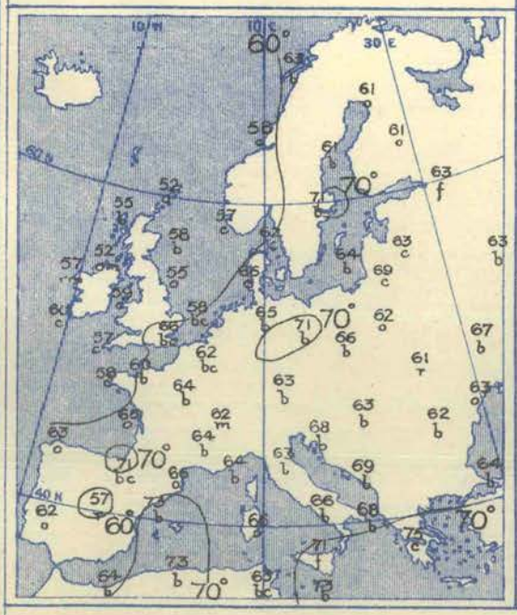
Temperature risen in most places. Morning readings highest, (1) 76° at Algiers, 74° at Barcelona, 70° at Palermo and Athens, (2) 70° at Haparanda, 68° at Kuopio. Lowest, (1), 52° at Cuxhaven, (2) 53° at Sumburgh Head and Shields, (3) 55° at Madrid. Rising later to 70° or rather higher at some of our own stations, to 81° in the south-west of France and at Berlin, 82° at Haparanda and Cagliari, and to 95° at Sfax. Maximum only 57° at North Shields.

Wind light or moderate to fresh from some Easterly point over all the more northern countries, light or moderate from South and West over the Spanish Peninsula, and light and variable in the other southern regions. Scarcely any change later.

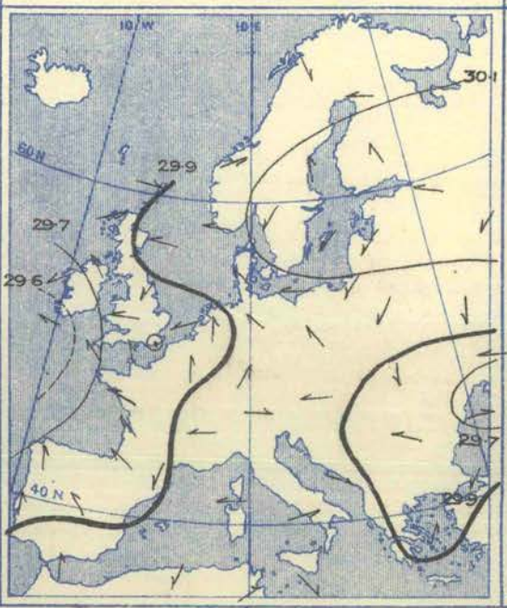
Barometer in morning highest, above 30·4 ins. over the north of Russia. Lowest, 29·6 ins. and less in a depression off the south-west of Ireland, and 29·8 ins. and less in another system over South Russia. Small thunderstorm minima existing over France. Pressure changing slightly and irregularly during day over our area generally. Russian depression increasing in depth.

Friday, 16th June, 1905.

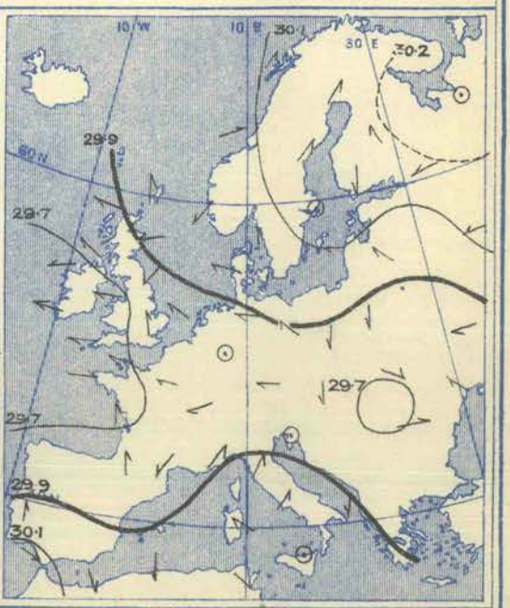
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in most regions, but rainy in the north-west of Ireland and at Madrid and overcast in some other localities. Rain experienced in most parts of our area later and thunderstorms occurring in the north and west of France and the Channel Isles, and thunder only at Clacton-on-Sea.

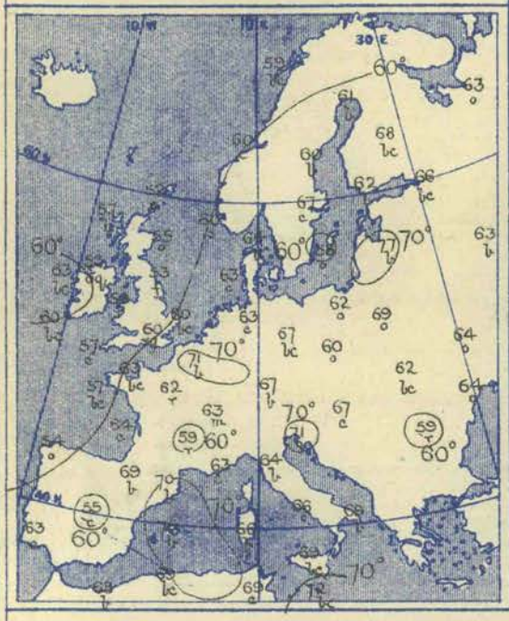
Temperature risen as a whole, but fallen in the far north. Morning readings highest, (1) 75° at Patras, 73° at Malta, Algiers, and Barcelona, 69° at Lesina, and 68° at Trieste, (2) 71° at Stockholm and Berlin. Lowest, 52° at Sumburgh Head and Wick, 55° at Nottingham, and 56° at Portland Bill. Maxima during day above 70° in Sweden and a few parts of England and over the centre and south of the Continent, and above 80° in places. Highest readings, 93° at San Fernando and 92° at Aumale.

Wind at 8 a.m. showing a complete cyclonic circulation around South Russia and an anticyclonic movement over the north of our area. South-Easterly or Easterly winds prevailing over our Islands and France and light variable airs over the Mediterranean region. No general change occurring later, but wind increasing to a strong breeze from East-South-East at Valencia.

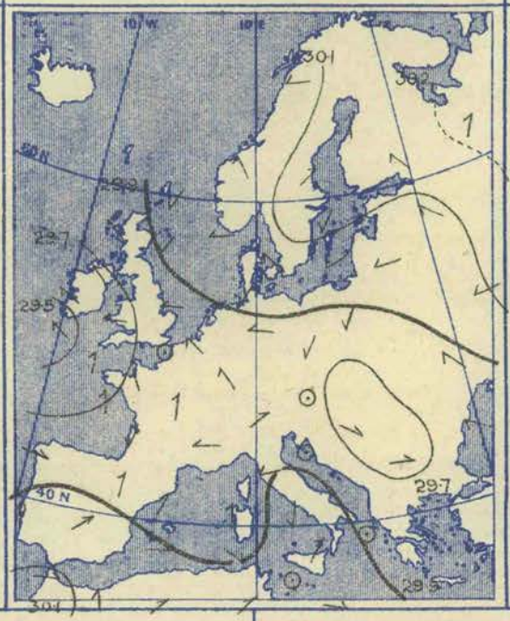
Barometer at 8 a.m. ranging from above 30·1 ins. in a large area of high pressure centred over the north of Europe to 29·6 ins. and less (1) in a depression over South Russia, and (2) in another system off the south-west of Ireland. Shallow local minima still shown over France and the south and south-east of England. Russian disturbance moving westwards later and barometer falling over these Islands and France.

Saturday, 17th June, 1905.

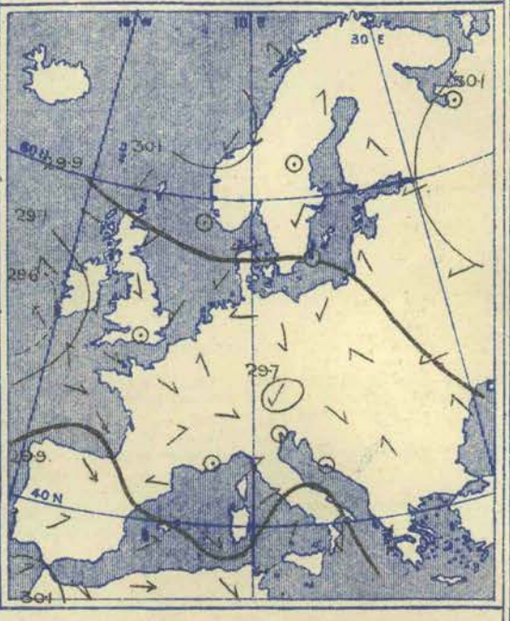
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. dull, with rain in places, over England, the north of Ireland, the north of France, and also over Hungary and Transylvania. Fair or fine in most other regions. Very heavy rain later over the north of England, several parts of France and central Europe. Thunderstorms experienced in many English and French localities. Largest rainfall measurements, 1·2 in. at Cracow, 1·3 in. at Hermanstadt, and 1·7 in. at Nottingham.

Temperature fallen in most places, but risen over Finland and northern Russia. Morning readings highest, (1) 77° at Riga, 75° at Memel, 69° at Warsaw, and 68° at Kuopio; (2) 78° at Barcelona, 76° at La Calle, 72° at Malta, 71° at Trieste, and 69° at Brindisi. Lowest, 52° in the Shetlands, 53° at Leith and Malin Head, 54° at Corunna, and 55° at Madrid. Rising later to about 70° in a few parts of England and in Sweden, to between 70° and 80° over France and Austria, to above 80° at several German stations and in the extreme south of Europe, and to 88° at Tunis.

Wind at 8 a.m. light or moderate between South-East and North-East over our Islands and from the Southward over France and Spain. A complete cyclonic circulation prevailing over the central countries and anticyclonic winds in the north of Europe. Wind shifting to the Westward in most parts of France later and becoming very light and variable over England.

Barometer at 8 a.m. highest, 30·2 ins. and upwards over the north of Russia, and relatively high, 30·1 ins., in the extreme south of Spain. Lowest, 29·5 ins. and less in a depression centred off the south-west of Ireland. Below 29·7 ins. in a rather large disturbance over Poland and Transylvania. Latter system apparently moving westwards during day. Some small and ill-defined minima travelling slowly northwards from France to England.

IV.—GENERAL NOTES.

Pressure was highest in an anticyclone of varying form lying over the north of Europe and lowest in shallow disturbances which occupied in turn most of the central and southern countries and the south of the United Kingdom. The only general wind current was consequently from the North-Eastward and Eastward and blew over the northern half of our area. The cyclonic circulations, both partial and complete, that prevailed further south were of little strength. Thunderstorms or thunder rains were of frequent occurrence over the south of England, France, and in some other Continental districts, but within the region of the northern high pressure the weather was fine and dry. Temperature was not high for the time of year as a whole, but some very high readings were recorded over Sweden late in the week and over the Baltic Provinces of Russia on Saturday.

Quite at the end of the period there were indications of a change in the pressure distribution being brought about by the northward movement of shallow depressions from France to the United Kingdom and a rise of the barometer over Spain and the Bay of Biscay.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 140.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	62·1	+26·8	49	+ 21
STRATHPEFFER SPA	66·8	+28·8	54	+ 23
CRATHES	76·5	—	63	—
BALRUDDERY	57·0	—	47	—
EDINBURGH	58·2	+23·6	48	+ 20
COCKLE PARK	65·5	—	55	—
NEWCASTLE-on-TYNE	55·2	—	46	—
SALTBURN-by-the-SEA	58·8	—	50	—
YORK	74·9	+34·9	64	+ 30
SKEGNESS	80·7	—	69	—
CROMER	86·7	—	75	—
LOWESTOFT	79·4	—	68	—
DUNMOW	46·6	—	41	—
SHEFFIELD	36·5	—	31	—
WORKSOP	48·1	+ 10·7	41	+ 9
MARGATE	50·8	+ 7·8	45	+ 7
BROADSTAIRS	53·1	—	47	—
RAMSGATE	50·0	—	44	—
EASTBOURNE	50·6	- 0·9	44	- 1
BRIGHTON	50·7	- 1·6	44	- 2
WORTHING	54·6	—	48	—
BOGNOR	48·9	—	43	—
VENTNOR HOSPITAL	43·7	- 2·0	39	- 2
BOURNEMOUTH	47·6	—	42	—
MARLBOROUGH	17·2	- 26·7	15	- 23
SOUTHPORT	61·8	—	53	—
RHYL	41·1	—	35	—
ABERDOVEY	43·3	—	37	—
TENBY	51·2	- 3·4	45	- 3
TORQUAY	40·8	- 14·7	36	- 13
NEWQUAY	43·4	- 9·3	38	- 8
GUERNSEY	48·3	- 10·9	43	- 10

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 19, page 110	Armagh	—	—	—	42·1	50·4	+ 1·4	59	—	—	—	—	—	—	—	—
,, 20 ,, 116	Sumburgh Head	—	—	—	—	—	—	—	—	2	0·02	- 0·39	—	—	—	—
,, 21 ,, 122	Spurn Head	—	—	—	—	—	—	—	—	1	0·01	- 0·34	—	—	—	—
,, 22 ,, 128	Glasgow	—	—	61·7	50·5	55·8	+ 3·3	97	—	—	—	—	—	—	—	—
,, 22 ,, 128	Bath	—	—	—	—	—	—	—	—	—	—	—	43·9	—	39	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 25. TWENTY-FIFTH WEEK, ENDING SATURDAY, JUNE 24TH, 1905. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 146.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	85	47	64·5	50·1	56·8	4 above	104	+29	0	0	631	−31	476	− 80
	1. SCOTLAND, EAST	80	46	67·4	50·5	58·4	3 above	115	+24	0	0	769	−50	505	−100
	2. ENGLAND, N.E.	77	43	66·7	51·5	58·6	2 above	116	+17	0	0	907	+60	374	−124
	3. ENGLAND, EAST	76	45	68·8	52·5	60·1	2 above	127	+15	0	0	1029	0	349	−193
	4. MIDLAND COUNTIES	80	44	70·0	51·4	60·0	2 above	126	+15	0	0	1048	−17	394	−157
	5. ENGLAND, SOUTH	80	47	67·9	53·0	59·9	1 above	125	+ 5	0	0	1088	−60	268	−135
Principal Grazing Districts.	6. SCOTLAND, WEST	80	47	67·5	51·4	58·9	3 above	118	+22	0	0	899	+11	313	−112
	7. ENGLAND, N.W.	82	44	68·1	52·1	59·5	2 above	123	+18	0	0	952	+ 3	273	−131
	8. ENGLAND, S.W.	79	43	66·9	53·3	59·6	2 above	123	+12	0	0	1070	−37	222	− 85
	9. IRELAND, NORTH	80	42	67·6	52·9	59·8	4 above	125	+27	0	0	977	− 2	271	− 81
	10. IRELAND SOUTH	81	49	69·2	54·8	61·5	4 above	137	+29	0	0	1208	+50	166	− 92
	— CHANNEL ISLANDS	73	51	65·7	55·0	59·9	1 above	125	+ 6	0	0	1313	+41	55	− 65

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 146.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	6	0 (average)	129	+24	23·7	+ 4·4	37	+ 1	29	+ 1	609	− 4	28	0
	1. SCOTLAND, EAST	3	5	0 (average)	98	+ 8	10·8	− 2·1	62	+20	50	+16	690	− 10	31	− 1
	2. ENGLAND, N.E.	2	3	1 less	75	− 9	6·7	− 3·5	59	+18	50	+16	734	+ 1	34	0
	3. ENGLAND, EAST	1	less than hal	4 less	85	0	9·5	− 0·3	70	+21	60	+18	832	+ 37	38	+ 2
	4. MIDLAND COUNTIES	3	2	3 less	85	+ 5	9·1	− 2·5	56	+11	48	+ 9	688	− 7	32	0
	5. ENGLAND, SOUTH	1	less than half	4 less	84	+ 5	12·0	+ 0·4	67	+18	58	+16	792	+ 10	36	+ 1
Principal Grazing Districts.	6. SCOTLAND, WEST	3	9	2 more	101	+ 8	20·4	− 0·7	59	+15	50	+12	777	+ 63	36	+ 3
	7. ENGLAND, N.W.	3	10	4 more	90	+ 3	12·9	− 0·7	54	+13	46	+11	763	+112	35	+ 5
	8. ENGLAND, S.W.	4	8	2 more	91	+ 3	14·4	− 1·5	49	− 6	43	− 5	758	− 52	35	− 2
	9. IRELAND, NORTH	3	12	5 more	112	+ 7	15·9	+ 0·8	55	+17	46	+14	793	+115	36	+ 5
	10. IRELAND, SOUTH	3	9	3 more	104	+ 9	16·1	− 1·6	59	+17	51	+14	756	− 5	35	0
	— CHANNEL ISLANDS	3	2	3 less	99	+ 7	13·0	− 0·5	62	+ 4	54	+ 3	852	− 86	39	− 4

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was at first very unsettled, with heavy rain in most of the western and northern districts, and lighter falls in most other parts of the Kingdom. On Sunday or Monday thunderstorms were experienced over Wales and the western and northern parts of England, as well as in some neighbouring parts of Ireland. Later on a general and very decided improvement took place, but at the close of the week thunderstorms were reported over the northern parts of Ireland and Scotland.

Temperature was above the mean, the excess being slight in England, but greater in Scotland and still larger in Ireland, where it amounted to 4°. The highest readings were recorded in the latter half of the week, when the thermometer rose to between 75° and 80° in most districts, to 82° in North Wales (at Bettws-y-Coed) and to 85° in Scotland N. (at Lairg). The lowest readings, which occurred at times varying greatly in the different districts, ranged from 42° in Ireland N. and 43° in England N.E. and England S.W. to 49° in Ireland S. and to 51° in the Channel Islands.

Rainfall was considerably less than the average in most of the Wheat-producing districts as well as in the Channel Islands, but was just equal to the normal in Scotland N. and E. In the Grazing districts there was a general excess—largest in England N.W. and Ireland N. During a heavy thunderstorm which occurred on Sunday at Hawarden Bridge (near Chester) an inch and a quarter of rain fell in half an hour.

Bright Sunshine was in excess of the average in all districts excepting England S.W., where a slight deficiency was reported. More than half the possible duration was recorded in many districts, and as much as 60 per cent. in England E. In England S.W., however, the percentage value was only 43, while in Scotland N. it was as low as 29.

Barometer and Wind. At the beginning of the week two high pressure areas were shown, one over Scandinavia, and the other over France. The barometer was lowest off the south-west of Ireland, but was low in a secondary depression which moved northwards over the United Kingdom, the progress of the latter system being marked by the thunderstorms noticed above. Between Monday and Wednesday a cyclonic disturbance of considerable depth for the time of year skirted our western and northern coasts and caused freshening winds from the Southward or South-Westward over the whole Kingdom, with a slight gale in St. George's Channel. As this depression passed away over northern Europe a large anticyclone moved northward and north-eastward over these Islands and the North Sea, the wind being at first rather variable, but afterwards from the Eastward or North-Eastward in the south and from the South-Eastward in the north.

3771 Wy. & S. Ltd.
370 6 | 05

II.—DATA from which the SUMMARY on page 145 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
June 18-24, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
O. SCOTLAND, N.	Sumburgh Head	59	47	56·3	47·9	51·8	+ 1·6	69	0	3	0·58	+ 0·13	*	*	*	*
	Stornoway	76	49	65·1	51·6	57·9	+ 5·2	111	0	5	0·68	+ 0·11	43·3	+ 1·9	34	+ 2
	Wick	64	49	61·7	49·4	55·1	+ 2·4	92	0	3	0·32	- 0·11	*	*	*	*
	Lairg Ⓢ	85	48	70·5	49·7	59·4	+ 6·3	122	0	5	0·59	+ 0·05	*	*	*	*
	Glencarron Ⓢ	79	47	66·7	50·9	58·3	+ 4·3	114	0	4	1·11	- 0·06	*	*	*	*
	Fort Augustus Ⓢ	83	49	66·9	50·8	58·3	+ 3·1	114	0	3	0·44	- 0·10	31·9	+ 2·1	26	+ 2
1. SCOTLAND, E.	Nairn	76	48	68·0	50·4	58·6	+ 3·2	116	0	4	0·42	- 0·02	*	*	*	*
	Aberdeen	68	50	63·9	52·3	57·7	+ 3·2	110	0	2	0·34	- 0·12	65·6	+ 22·1	53	+ 18
	Braemar Ⓢ	78	46	66·1	49·8	57·4	+ 4·4	108	0	3	0·66	+ 0·10	*	*	*	*
	Clathick Ⓢ	80	47	71·9	50·4	60·4	+ 3·8	129	0	3	1·00	+ 0·33	*	*	*	*
	Leith	76	49	67·6	51·1	58·8	+ 2·4	118	0	2	0·33	- 0·13	*	*	*	*
	Marchmont Ⓢ	72	46	67·1	49·1	57·5	+ 3·0	109	0	2	0·23	- 0·37	60·3	+ 19·2	50	+ 16
2. ENGLAND, N.E	Alnwick Castle	68	49	64·7	51·0	57·4	+ 2·7	108	0	3	0·78	+ 0·31	*	*	*	*
	Durham	73	43	67·5	49·5	57·9	+ 1·6	111	0	3	0·41	- 0·06	58·2	+ 19·2	49	+ 16
	Shields	68	49	63·6	50·9	56·8	+ 1·7	104	0	2	0·58	+ 0·14	*	*	*	*
	Scarborough Ⓜ	70	48	65·5	51·4	58·0	+ 1·8	112	0	3	0·13	- 0·37	53·7	—	45	—
	Spurn Head	70	49	65·6	53·7	59·2	+ 2·6	120	0	1	0·07	- 0·39	*	*	*	*
	Lincoln	74	49	69·9	52·3	60·5	+ 2·2	130	0	2	0·15	- 0·35	*	*	*	*
	Fulbeck (Lincolnshire)	77	49	70·2	51·7	60·3	+ 2·1	128	0	2	0·12	- 0·34	63·2	—	54	—
3. ENGLAND, E.	Hillington Ⓜ	71	46	68·2	50·0	58·5	+ 0·4	116	0	1	0·05	- 0·48	61·1	+ 15·7	53	+ 14
	Yarmouth	72	54	66·9	55 7	60·9	+ 3·7	132	0	2	0·02	- 0·44	*	*	*	*
	Geldeston	73	45	69·1	51·4	59·6	+ 1·8	123	0	1	0·02	- 0·40	77·4	+ 28·5	67	+ 25
	Cambridge	76	48	70·1	50·6	59·7	+ 0·5	124	0	1	0·01	- 0·49	68·1	+ 22·1	59	+ 19
	Felixstowe	75	47	69·5	53·3	60·8	+ 3·3	132	0	1	0·01	—	82·3	—	72	—
	Clacton-on-Sea	73	49	67·7	54·1	60·4	+ 2·3	129	0	0	0·00	—	76·7	—	67	—
	Rothamsted	76	48	68·6	51·2	59·3	+ 1·3	121	0	2	0·03	- 0·47	61·0	+ 16·0	53	+ 14
	Shoeburyness	75	49	69·9	54·0	61·4	+ 2·9	136	0	0	0·00	- 0·37	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	76	44	70·0	49·3	58·9	+ 3·1	118	0	3	0·24	- 0·41	64·5	—	55	—
	Bawtry (Hesley Hall)	77	45	72·4	50·4	60·6	+ 2·5	130	0	2	0·16	- 0·37	*	*	*	*
	Nottingham	76	49	70·4	51·9	60·5	+ 1·9	130	0	3	0·19	- 0·34	55·1	—	47	—
	Colly Weston (Stamford)	76	49	70·7	51·7	60·5	+ 1·9	130	0	1	0·04	- 0·42	*	*	*	*
	Cheadle Ⓜ	76	46	68·5	50·7	59·0	+ 3·0	119	0	3	0·31	- 0·36	*	*	*	*
	Birmingham (Edgbaston)	76	48	68·4	52·2	59·7	+ 2·1	124	0	3	0·26	- 0·24	53·4	—	46	—
	Shrewsbury	79	49	71·6	51·7	61·0	+ 2·7	133	0	3	0·22	—	*	*	*	*
	Hereford Ⓜ	78	49	69·9	51·6	60·1	+ 1·4	127	0	2	0·29	- 0·18	*	*	*	*
	Cirencester	77	47	67·6	51·3	58·9	+ 1·6	118	0	4	0·31	- 0·20	53·3	+ 7·5	46	+ 7
	Oxford	80	49	70·1	53·1	61·0	+ 2·1	133	0	2	0·06	- 0·44	50·7	+ 5·2	44	+ 5
	Westminster	78	50	70·4	53·7	61·5	+ 1·5	137	0	1	0·01	—	57·3	+ 18·3	50	+ 16
5. ENGLAND, S.	London (Brixton)	79	49	71·7	52·9	61·7	+ 1·4	138	0	1	0·01	- 0·44	58·1‡	+ 15·8‡	51‡	+ 14‡
	Wisley (Surrey)	77	47	69·6	52·1	60·2	- 0·6	127	0	0	0·00	—	59·5	—	52	—
	Swarraton (Alresford) Ⓜ	75	49	69·4	52·3	60·3	+ 3·2	128	0	2	0·08	- 0·39	*	*	*	*
	Tunbridge Wells Ⓜ	78	49	69·5	51·9	60·1	+ 1·3	127	0	1	0·01	—	74·6	—	65	—
	Dungeness	71	50	64·9	54·4	59·3	+ 0·9	121	0	0	0·00	- 0·30	76·3	—	67	—
	Hastings (St. Leonards)	72	50	66·1	53·5	59·4	+ 1·1	122	0	0	0·00	- 0·40	80·4	+ 27·2	71	+ 24
	Southampton	80	51	71·1	54·7	62·3	+ 2·3	142	0	1	0·01	- 0·43	60·7	+ 10·4	53	+ 9
	Portland Bill	66	52	62·7	53·1	57·6	- 0·1	109	0	2	0·02	—	*	*	*	*
	Shaftesbury Ⓜ	74	48	66·5	51·8	58·6	+ 1·5	116	0	2	0·07	- 0·46	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	80	51	69·2	54·4	61·3	+ 5·4	135	0	5	1·18	+ 0·22	*	*	*	*
	Glasgow	77	49	68·3	52·1	59·6	+ 3·6	123	0	3	0·38	- 0·29	51·6	+ 14·8	43	+ 12
	Cally Ⓢ	80	47	66·4	49·0	57·1	+ 1·3	106	0	3	0·86	+ 0·10	*	*	*	*
	Aspatria	77	47	67·2	50·5	58·3	+ 2·9	114	0	3	0·86	—	62·0	—	52	—
	Douglas (Isle of Man)	76	50	66·2	51·2	58·2	+ 2·5	113	0	3	1·16	+ 0·60	64·7	+ 14·7	54	+ 12
7. ENGLAND, N.W.	Newton Rigg	79	44	69·0	49·1	58·4	+ 3·2	115	0	3	0·57	—	54·7	—	46	—
	Stonyhurst	77	46	67·3	51·3	58·7	+ 1·8	117	0	3	1·32	+ 0·55	52·2	+ 7·7	44	+ 7
	Blackpool Ⓜ	76	46	66·1	50·6	57·8	+ 0·4	111	0	4	0·52	- 0·01	65·7	+ 21·0	56	+ 18
	Manchester (Prestwich)	76	46	69·4	51·0	59·6	+ 2·7	123	0	2	0·74	+ 0·02	53·4	—	46	—
	Liverpool Obsy. (Bidston)	79	50	68·1	53·6	60·4	+ 2·2	129	0	4	0·51	+ 0·01	54·1	—	46	—
	Chester (Hawarden Bridge)	79	50	70·2	52·6	60·8	+ 2·6	132	0	3	1·67	—	*	*	*	*
	Llandudno Ⓜ	77	50	69·0	55·1	61·6	+ 3·5	137	0	4	0·70	+ 0·24	56·3	+ 10·6	48	+ 9
	Holyhead	71	51	64·3	53·6	58·6	+ 1·6	116	0	3	1·12	+ 0·68	*	*	*	*
	Bettws-y-Coed	82	47	69·3	51·6	59·8	+ 2·6	125	0	5	1·52	—	48·2	—	41	—
8. ENGLAND, S.W.	Llangammarch Wells	79	43	67·6	49·6	58·0	+ 1·5	112	0	4	1·01	—	49·0	—	43	—
	Pembroke	70	51	62·1	53·7	57·6	+ 0·9	109	0	4	0·59	+ 0·13	47·2	- 6·3	4	- 6
	Cardiff	76	48	68·8	52·2	59·9	+ 1·1	125	0	4	0·93	—	*	*	*	*
	Clifton	79	51	70·2	54·0	61·5	+ 2·8	137	0	4	1·18	+ 0·65	*	*	*	*
	Bath	78	49	69·4	53·0	60·6	+ 1·5	130	0	3	0·69	+ 0·17	62·1	—	54	—
	Arlington (N. Devon)	75	46	66·1	52·1	58·6	+ 2·2	116	0	4	1·79	+ 1·04	*	*	*	*
	Cullompton Ⓜ	77	48	69·9	53·3	61·0	+ 2·5	133	0	3	0·11	- 0·42	48·7	+ 2·4	43	+ 2
	Falmouth	66	54	64·2	56·4	60·0	+ 1·8	126	0	3	0·32	- 0·25	46·5	- 7·7	41	- 7
	Plymouth	72	52	63·8	55·3	59·3	0·0	121	0	3	0·21	- 0·25	46·9	- 3·5	41	- 3
9. IRELAND, N.	Malin Head	78	47	65·6	51·4	58·0	+ 2·6	112	0	3	1·52	+ 0·98	*	*	*	*
	Edenfel (Omagh)	80	49	69·7	53·9	61·3	+ 5·8	135	0	3	1·25	+ 0·58	*	*	*	*
	Blacksod Point	75	50	65·7	53·4	59·1	+ 2·7	120	0	4	0·62	- 0·02	*	*	*	*
	Markree Castle	80	42	70·0	53·1	61·0	+ 5·6	133	0	3	0·98	+ 0·23	50·7	+ 13·0	43	+ 11
	Armagh	78	50	68·6	53·5	60·5	+ 4·2	130	0	3	1·68	+ 1·10	59·2	+ 20·2	50	+ 17
	Donaghadee	73	51	66·1	52·0	58·6	+ 2·6	116	0	3	0·83	+ 0·30	*	*	*	*
10. IRELAND, S	Dublin	74	51	69·8	55·4	62·1	+ 3·8	141	0	3	0·46	+ 0·01	59·0	+ 14·5	50	+ 12
	Birr Castle	79	49	71·7	53·6	62·0	+ 5·1	140	0	3	0·65	+ 0·08	49·2	+ 10·7	42	+ 9
	Kilkenny	76	50	70·6	54·1	61·8	+ 4·6	139	0	3	0·71	+ 0·15	*	*	*	*
	Waterford	74	50	70·4	55·3	62·3	+ 4·9	142	0	3	0·71	+ 0·09	*	*	*	*
	Roche's Point	? 66	54	63·3	55·4	59·1	+ 0·9	120	0	4	0·94	+ 0·26	*	*	*	*
	Valencia	77	51	67·4	54·9	60·7	+ 3·6	131	0	3	1·77	+ 0·99	69·4	+ 24·8	60	+ 22
	Killarney	80	52	71·4	54·9	62·6	+ 5·8	144	0	3	1·00	+ 0·33	*	*	*	*
	Foynes	81	—	—	—	—	—	—	—	—	—	—	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	64	54	62·4	55·0	58·4	+ 0·4	115	0	3	0·28	- 0·13	40·4	- 16·5	36	- 15
	Jersey (St. Aubyn's)	73	51	68·9	54·9	61·4	+ 1·9	136	0	2	0·08	- 0·37	75·7	+ 18·3	68	+ 16

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

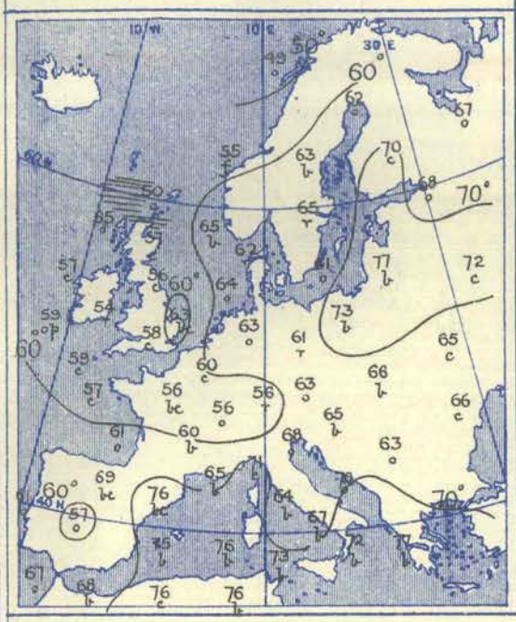
* An Asterisk is inserted in all places for which the information is not usually received.
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

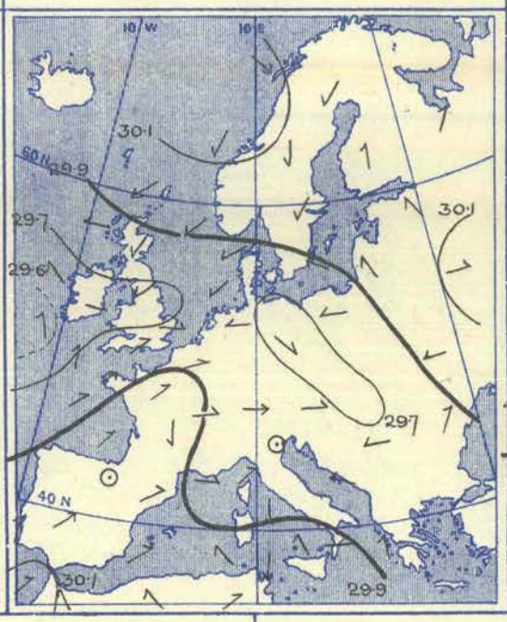
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 18th June, 1905.

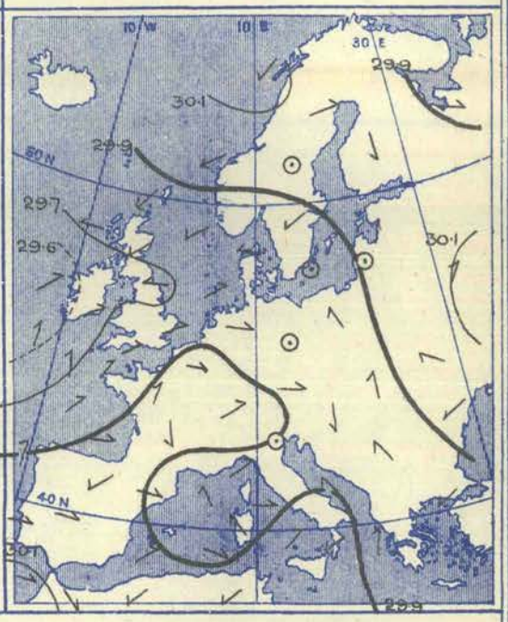
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most parts of our area, but dull and rainy over Ireland and the northern half of England and also in many parts of central Europe, the Netherlands, and Denmark. Rain continuing all day in many parts of the north of England and some heavy falls occurring in various Continental localities. Thunderstorms experienced at Karlstad, Liverpool, and in the south of France. Largest rainfall measurements, 1·00 in. at Oxö, 0·90 in. at Malin Head, and 0·67 in. at Holyhead.

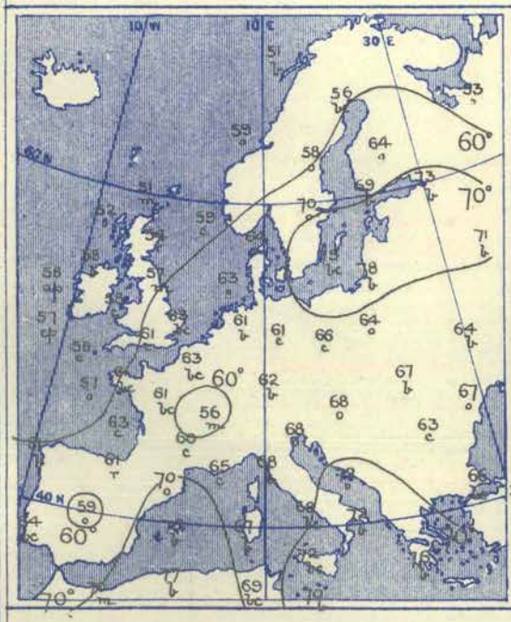
Temperature risen over Russia and Poland, fallen in most other regions. Morning readings highest, (1) 77° at Athens, 76° at Algiers and Barcelona, 73° at Palermo, 71° at Leghorn and Pesaro; (2) 79° at Memel, 77° at Riga, 72° at Moscow, 70° at Kuopio, 68° at St. Petersburg. Maxima during day, 70° at Spurn Head, above 70° in Sweden, and 88° at St. Petersburg; above 75° in most parts of southern and central Europe and the north of Africa, and above 80° in places. Highest value, 95 at Sfax.

Wind in morning moderate to fresh from the North-Eastward over the north of our Islands and Scandinavia and moderate to fresh from the South-Westward over the south of England and the north of France. A cyclonic circulation of light winds prevailing over central Europe and light variable airs in the south. No important change later.

Barometer at 8 a.m. highest, 30·1 ins. and upwards over the south of Spain and Morocco and also over central Russia and the north of Norway. Lowest, 29·6 ins. and less in a depression off the south-west of Ireland, and below 29·7 ins. in an elongated secondary over the north of England and also in a separate system over central Europe. Low pressure systems all moving northwards later, but a small minimum appearing over the extreme south-east of France.

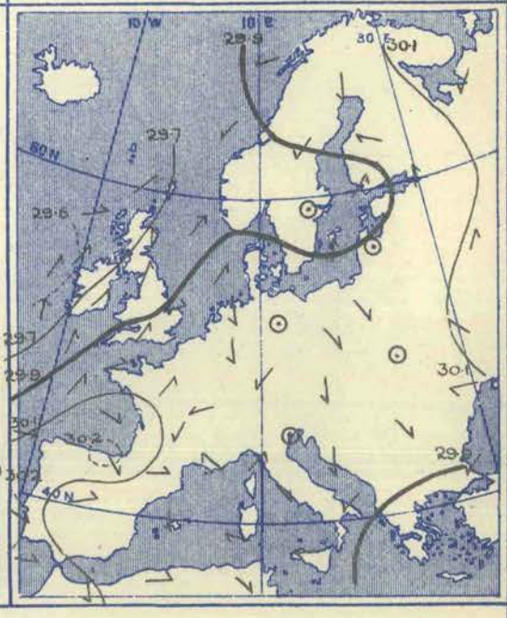
Monday, 19th June, 1905.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.

Barometer and Wind. 6 p.m.



Weather at 8 a.m. rainy or showery in Scotland, Ireland, the south-west of France, at Prague, and the south of Sweden; fine and bright over our area generally. Rain experienced later in several parts of our Islands, Scandinavia, Russia, and at some French stations. Thunderstorms occurring in the last named country and thunder heard at Spurn Head. Heaviest rain, 0·8 in. at Stockholm, 0·7 in. at Valencia, and 0·6 in. at Malin Head and Christiansund.

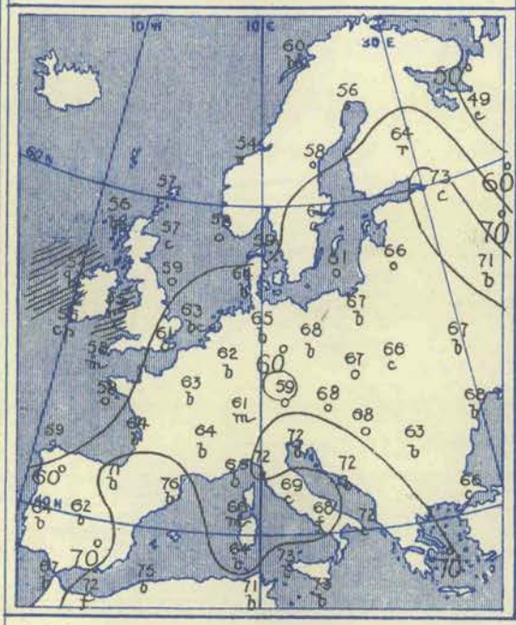
Temperature risen somewhat in most regions. Morning readings highest, (1) 77° at Algiers, 76° in Greece, 75° at Barcelona, 73° at Leghorn; (2) 78° at Memel, 76° at Riga, 75° at Stockholm, 73° at St. Petersburg, and 71° at Moscow. Rising during day to 72° at Leith, and some degrees higher in most Continental localities and in Algeria and Tunisia. Highest values, 86° at St. Petersburg and Cape Béarn, 88° at Algiers, and 90° at Tunis.

Wind in morning light and variable over our area generally, but moderate from the North-Eastward over the greater part of our area and Southerly over England and Ireland. A complete cyclonic circulation prevailing around the northern part of the North Sea. Southerly winds extending to Scotland later.

Barometer at 8 a.m. above 30·1 ins. over the western half of the Spanish Peninsula and also over the east of Russia, below 29·6 ins. in a depression off the west of Ireland and in another system off the north-east coast of Scotland. Spanish high pressure extending north-eastwards later and northern depression travelling on to Scandinavia and partially dispersing. Disturbance off Ireland moving northwards.

Tuesday, 20th June, 1905.

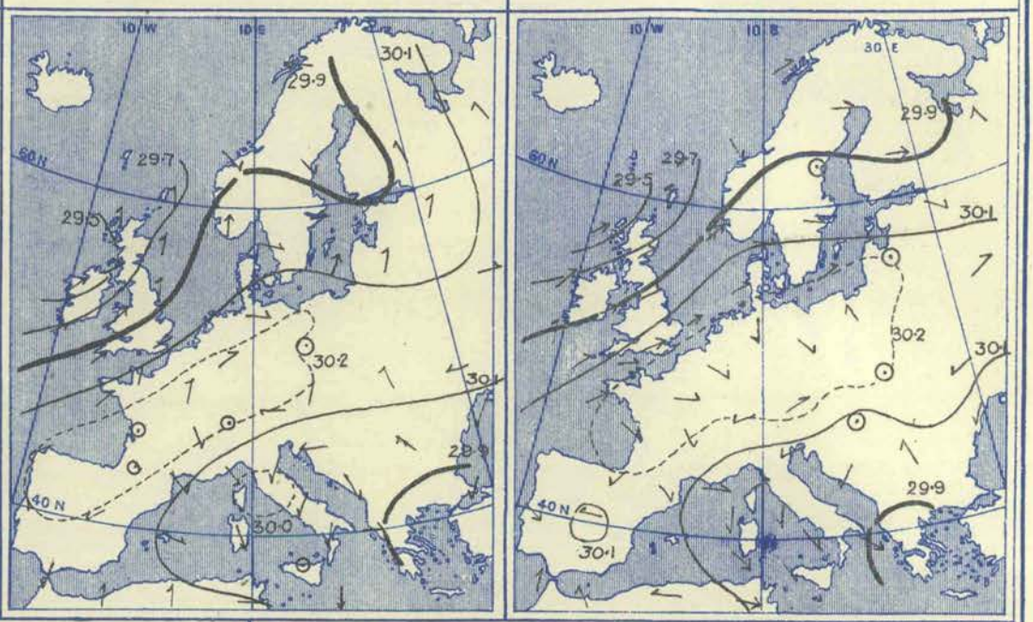
Temperature and Weather. 8 a.m.



Weather at 8 a.m. fair or fine over our area as a whole, but cloudy or quite overcast over Austria, Finland, Sweden, the west of Norway, and the United Kingdom, with steady rain or passing showers in a few localities. Rain experienced later over these Islands, several parts of Scandinavia, and at a few Russian and German stations.

Temperature fallen in most parts of northern Europe, changed little and rather irregularly over our area generally. Morning readings highest, (1) 78° at Palma, 75° at Algiers, 73° at Malta and Palermo, and 72° on the eastern shores of the Adriatic; (2) 73° at St. Petersburg, 71° at Moscow, 68° at Helsingfors, and 67° on the North German coast. Lowest, 49° at Archangel, 52° at Kuopio, 54° at Christiansund, 53° or 54° on the north-west coast of Ireland, and 56° at Portland Bill. Rising subsequently to 95° at Sfax, 86° at Madrid, Athens, and Patras, to about 80° at several other southern stations and at Berlin and St. Petersburg, and to 73° at Stockholm. Highest maximum over our Islands, 68° at Spurn Head.

Barometer and Wind. 8 a.m. 6 p.m.

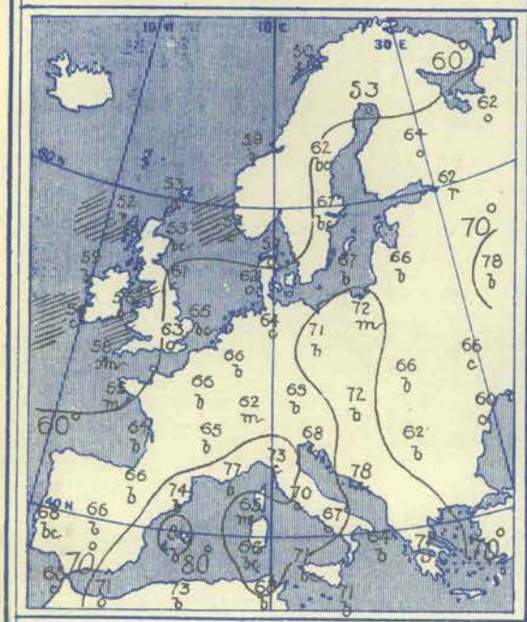


Wind Southerly and South-Westerly over the United Kingdom and its immediate vicinity, Westerly in the south of Sweden, Southerly in Finland, and Easterly further north. Strong on our western coasts, at Skudesnaes, and Faerder, moderate to fresh in most other places. Cyclonic over the Mediterranean region and anticyclonic over the central countries. Increasing in force over our Islands and Norway during day, blowing a fresh gale for a time at Holyhead.

Barometer at 8 a.m. above 30·2 ins. and upwards in an anticyclone extending from the north of Spain to Germany and below 29·5 ins. in a depression centred off our north-west coasts. Relatively low over the Gulf of Genoa, the Balkan Peninsula, and the northern half of Scandinavia. Anticyclone extending eastwards to Poland during day and depression off our north-west coasts travelling north-eastwards.

Wednesday, 21st June, 1905.

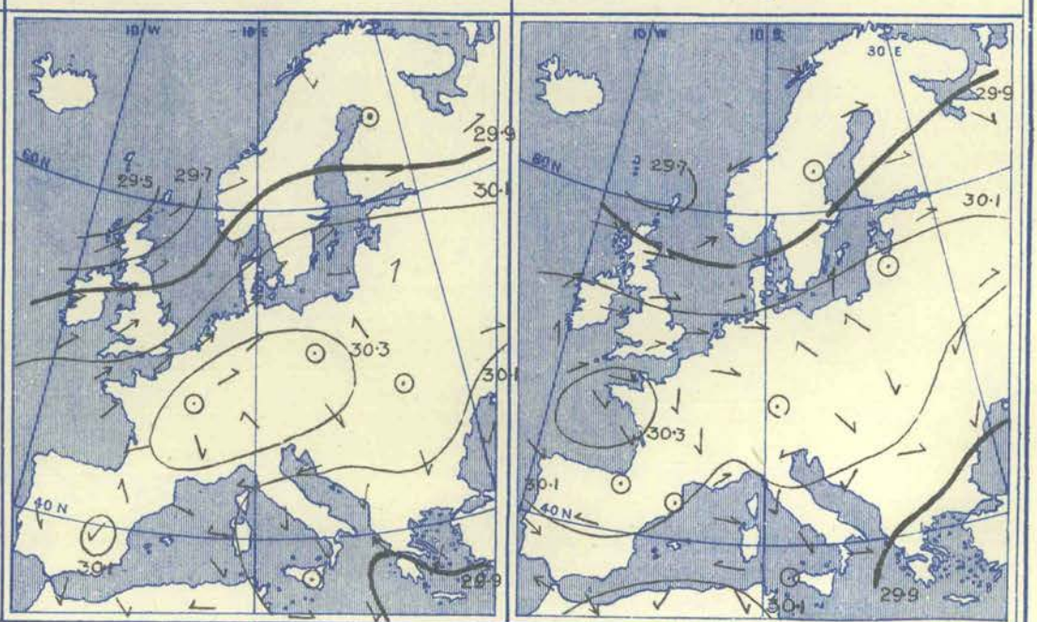
Temperature and Weather. 8 a.m.



Weather at 8 a.m. cloudy or overcast in most parts of the United Kingdom, with showers at Pembroke and rain at Stornoway. Fine and bright in nearly all Continental regions, but dull in the extreme north and rainy at St. Petersburg. Rain falling later in the Shetlands and Hebrides and a few sporadic showers in the west of our Islands. Considerable quantities of rain experienced in Scandinavia and as much as 1·2 in. at Rome.

Temperature risen in most localities. Readings at 8 a.m. highest, (1) 81° at Palma, 78° at Lesina, 77° at Athens and Nice, and above 70° in the south generally; (2) 73° at Moscow, 72° at Neu-Fahrwasser, 67° at Stockholm, and 62° at Archangel. Lowest, 50° at Bodö, 52° at Stornoway, 53° at Aberdeen, 55° at Brest. Rising later to a little above 70° at some British and Swedish stations, to above 80° in Germany and in nearly all parts of southern Europe, to 93° at Croisette, and to 95° at San Fernando and Sfax.

Barometer and Wind. 8 a.m. 6 p.m.

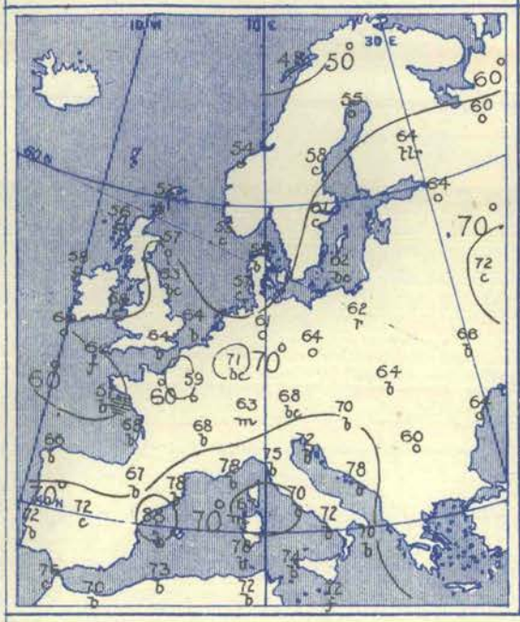


Wind light anticyclonic over all the central countries and moderate to fresh or strong from the South-Westward over these Islands, Denmark, and Scandinavia. Light to moderate North-Easterly and Northerly breezes prevailing over the Mediterranean region. Wind veering to the Westward during day in most parts of our Islands, but continuing Southerly in the west of Ireland.

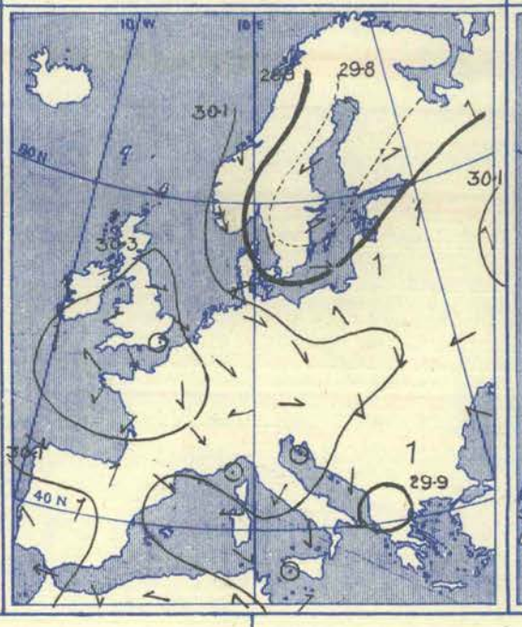
Barometer in morning highest, 30·2 ins. to 30·3 ins. and above in an anticyclone extending from the Bay of Biscay to central Russia. Lowest, 29·6 ins. and less in a depression lying off the north-west of Scotland. Relatively low in other systems over central Spain and the Ionian Sea. Northern depression travelling eastwards later and barometer rising briskly over our western and northern districts. Anticyclone extending northwards and embracing the south-west and south of England by 6 p.m.

Thursday, 22nd June, 1905.

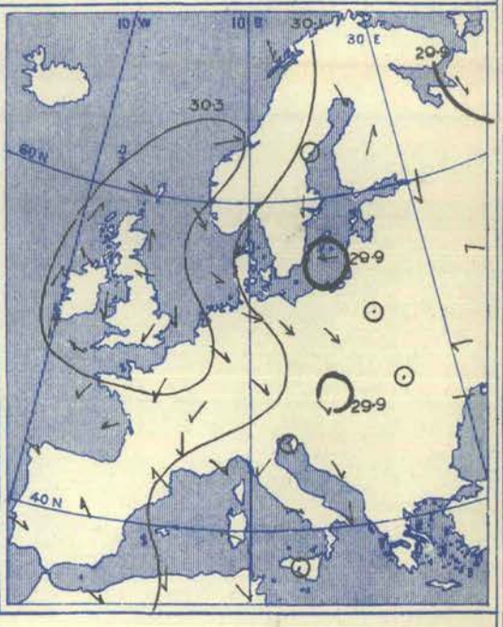
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. dull in most parts of Ireland, Scotland, Scandinavia, Finland, northern Russia, and North Germany, with fog at Roche's Point and Blacksod Point, a thunderstorm at Kuopio, and rain in several other localities. Fine and bright in almost all other regions. Rain falling later in Russia and central Europe, as well as at Naples and Rome—largest fall, 0·75 in. at Archangel.

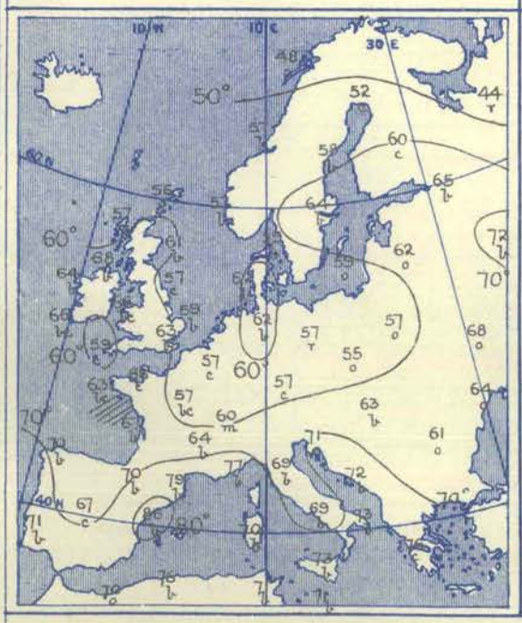
Temperature risen over our Islands and southern Europe, fallen generally elsewhere. Morning readings as high as 88° at Barcelona, 79° at Cape Sicié, and above 70° over the Mediterranean region generally, as well as at Frankfort and Moscow. Below 50° in the north-west of Norway and not much above it in the Shetlands and Caithness. Rising later to 70° in the north of Sweden, to between 70° and 80° in many parts of our Islands, to above 80° over the southern countries, and to above 90° in places.

Wind at 8 a.m. showing a light cyclonic circulation over the United Kingdom and its neighbourhood and a cyclonic movement of considerable strength over Scandinavia and Denmark. A gale from North-North-West prevailing at Skudesnaes, and from West-South-West at Fanö. Gale subsiding later, but wind continuing to blow strongly over Denmark, the Baltic, and the south of Sweden.

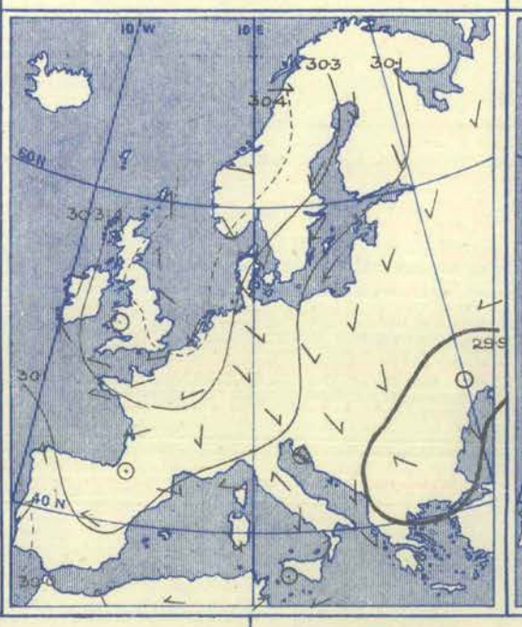
Barometer in morning ranging from above 30·3 ins. in an anticyclone covering nearly all of the United Kingdom and the northern half of France to about 29·9 ins. in a depression centred over Albania, and to 29·7 ins. in a more important system over Scandinavia. Latter disturbance travelling south-eastwards during day and becoming less deep. Anticyclone extending rather quickly northwards to the west of Norway.

Friday, 23rd June, 1905.

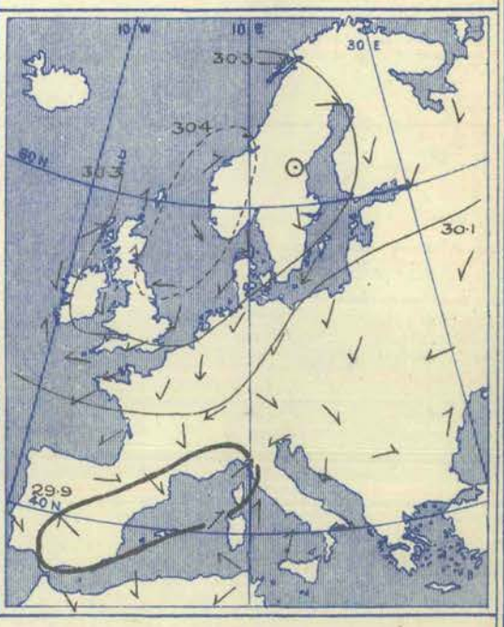
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the major portion of our area, but dull in several parts of central Europe and in the north of Russia, with rain in places. Rain later over Germany, Austria, and northern Italy, as much as 0·83 in. measured at Pesaro.

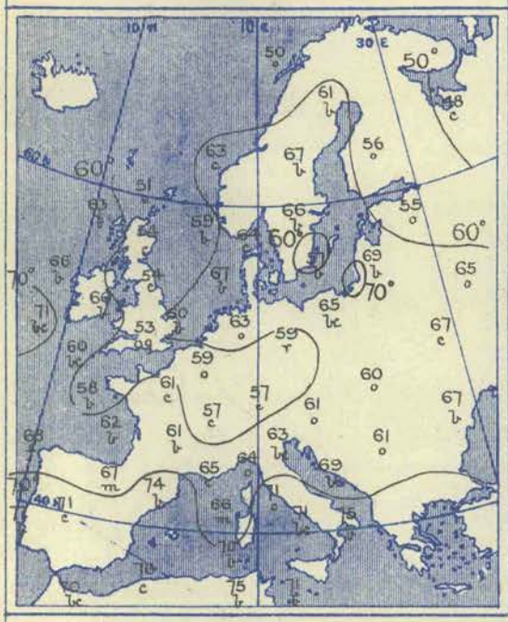
Temperature changed irregularly over our Islands, fallen in most other regions. Morning readings highest, (1) 86° at Barcelona, 76° at Algiers, 75° at Oporto and Athens, and above 70° in the south generally; (2) 72° at Moscow, 69° at Kharkov, and 65° at St. Petersburg; (3) 66° over central England and in the south-west of Ireland. Lowest, 44° at Archangel, 48° at Bodö, 54° at Aix-la-Chapelle, and 55° at Breslau. Rising during day to 75° and upwards at many stations in Ireland and England, and to 82° at Bettws-y-Coed, exceeding 80° over the greater part of southern Europe, and reaching 91° at Rochefort, 95° at Perpignan, and 102° at Cagliari.

Wind at 8 a.m. showing an extensive cyclonic circulation over the north-western and western countries and rather variable cyclonic airs in the south and east. North-Easterly current strong over the Baltic and south of Scandinavia. Cyclonic circulation setting in later over Spain and the western part of the Mediterranean. No material change elsewhere.

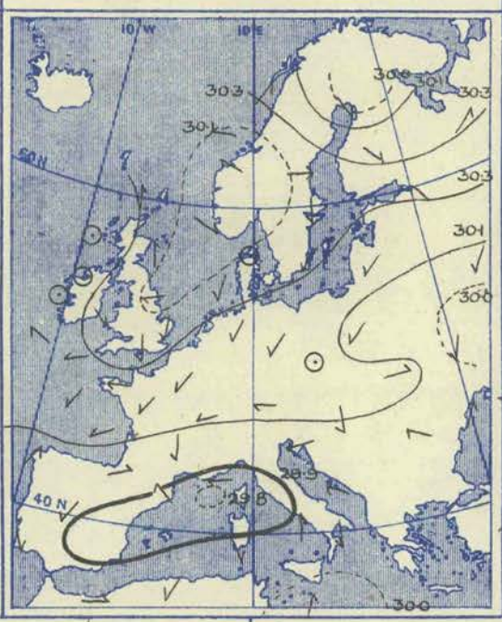
Barometer in morning highest, 30·3 ins. to above 30·4 ins. in an anticyclone covering nearly the whole of Scandinavia, the United Kingdom, and the adjacent part of the Continent. Lowest, 29·9 ins. and less in an elongated area over the south-east of Europe and below 30·0 ins. over the Gulfs of Lions and Genoa. Large shallow disturbance appearing later over the south of France and the western part of the Spanish Peninsula, anticyclone moving slowly north-eastwards.

Saturday, 24th June, 1905.

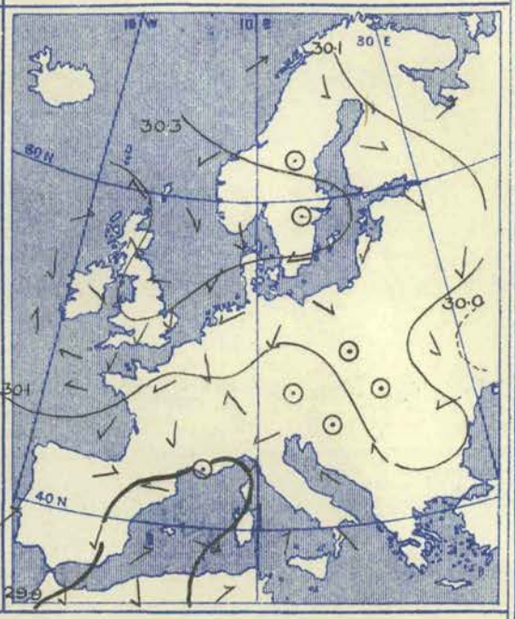
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine as a whole, but dull over central England, as well as at several Russian and Italian Stations, with rain at Pesaro and Florence. Rain later in some parts of Austria, Germany, the Netherlands, and northern Italy, and a thunderstorm at Aberdeen during the afternoon.

Temperature fallen in most parts of Great Britain and France, as well as at many southern European stations, changed irregularly elsewhere. Morning readings highest, (1) 77° at Aumale and Lisbon, 76° at Algiers, 75° at Sfax and Brindisi; (2) 71° at Valencia and 68° at Malin Head; (3) 70° at Hangö and 73° at Memel. Lowest, 48° at Archangel, 50° at Bodö, 51° at Sumburgh Head, 52° at Nottingham, 53° in London. Rising subsequently to 79° at Parsonstown, 78° at Malin Head, and 77° at Stornoway and Nairn. Much higher values recorded at the Continental stations, the thermometer rising to considerably above 80° in many places, reaching 90° at Lisbon and Cape Béarn and 95° at Biskra.

Wind Easterly or North-Easterly over these Islands and the western portion of the Continent, light or moderate in force, South-Westerly and Westerly over northern Europe, light and variable in Russia. A complete cyclonic circulation of light to fresh breezes shown over the Mediterranean. No great change later beyond a light Southerly breeze setting in over the south of Ireland.

Barometer highest, 30·4 ins. and upwards over Norway and the North Sea. Lowest, 29·8 ins. and less over the Gulf of Genoa, and 30·0 ins. and less in two shallow disturbances lying respectively over northern Europe and the south of Russia. Changes slight and rather irregular, but pressure showing a tendency to decrease in most places. Depression over northern Europe travelling northwards later, disturbance in the south dispersing, and anticyclone becoming gradually reduced in height.

IV.—GENERAL NOTES.

The distribution of pressure underwent considerable variations in the course of the week. At the commencement cyclonic systems were found over our Islands and central Europe, while anticyclones were situated in the far south-west, north-west and east. On Monday, the south-western high pressure began to advance north-eastward and soon became the dominating factor in the conditions over Continental countries, at the same time that a disturbance was moving north-eastward outside our western coasts. Between the two systems a South-Westerly type of weather was produced over the British Isles, strong winds and moderate or fresh gales being felt on many parts of the western coasts, and considerable quantities of rain falling. After Wednesday the anticyclone moved north-westward to our Islands and subsequently was transferred slowly north-eastward to Norway, being accompanied by fine, dry, and moderately warm weather. The regions of lowest pressure during this period were found successively over the more northern, eastern and southern portions of the Continent. The high winds and gales on our coasts accompanied the disturbance on its passage across Scandinavia to Russia, being Southerly to Westerly and Northerly in direction in Norway, Sweden, Denmark, and North Germany. Strong winds or moderate gales were also felt on Wednesday along the southern coast of Spain and the neighbouring African coast. With these exceptions calms and variable breezes prevailed extensively. Temperatures of 80° and upwards occurred at various places in the west and north of our Islands, 85° at Lairg. Abroad high maxima were numerous, 88° being reached at St. Petersburg, 90° and upwards at many southern stations, and 102° at Biskra on Sunday and at Cagliari on Friday.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 146.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	34·6	+ 0·2	27	0
STRATHPEFFER SPA	26·5	- 1·0	29	- 1
CRATHES	73·6	—	60	—
BALRUDDERY	56·3	—	46	—
EDINBURGH	51·9	+17·9	43	+ 15
COCKLE PARK	60·3	—	50	—
NEWCASTLE-on-TYNE	47·4	—	40	—
SALTBURN-by-the-SEA	60·3	—	51	—
YORK	57·5	+17·6	49	+ 15
SKEGNESS	59·1	—	51	—
CROMER	63·2	—	54	—
LOWESTOFT	82·9	—	72	—
DUNMOW	69·3	—	60	—
SHEFFIELD	60·0	—	51	—
WORKSOP	56·5	+ 19·1	48	+ 16
MARGATE	70·9	+ 27·6	62	+ 24
BROADSTAIRS	—	—	—	—
RAMSGATE	80·0	—	70	—
EASTBOURNE	80·2	+ 28·6	70	+ 25
BRIGHTON	70·9	+ 18·4	62	+ 16
WORTHING	71·4	—	63	—
BOGNOR	67·8	—	60	—
VENTNOR HOSPITAL	62·4	+ 16·4	55	+ 14
BOURNEMOUTH	62·4	—	55	—
MARLBOROUGH	52·0	+ 8·3	45	+ 7
SOUTHPORT	56·3	—	48	—
RHYL	56·5	—	48	—
ABERDOVEY	46·3	—	40	—
TENBY	53·8	+ 0·3	47	0
TORQUAY	50·3	- 4·4	44	- 4
NEWQUAY	40·1	- 12·5	35	- 11
GUERNSEY	68·5	+ 9·6	61	+ 9

Reports received too late for insertion in their proper places.

TWENTY-EIGHTH YEAR. VOLUME XXII (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 22, page 132	Broadstairs	—	—	—	—	—	—	—	—	—	—	—	62·5	—	56	—
,, 23 ,, 138	Margate	—	—	—	—	—	—	—	—	—	—	—	9·8	-33·4	9	- 29
,, ,, ,, ,,	Rhyl	—	—	—	—	—	—	—	—	—	—	—	56·1	—	48	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 26. TWENTY-SIXTH WEEK, ENDING SATURDAY, JULY 1ST, 1905. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 152.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	84	42	66·2	50·9	58·0	5 above	112	+34	0	0	743	+ 3	476	- 80
	1. SCOTLAND, EAST	85	42	68·9	51·1	59·3	4 above	121	+28	0	0	890	-22	505	-100
	2. ENGLAND, N.E.	77	43	67·3	51·6	58·9	2 above	118	+15	0	0	1025	+75	374	-124
	3. ENGLAND, EAST	78	49	70·1	55·9	62·5	4 above	144	+27	0	0	1173	+27	349	-193
	4. MIDLAND COUNTIES	81	46	71·9	53·5	62·0	4 above	140	+26	0	0	1188	+ 9	394	-157
	5. ENGLAND, SOUTH	81	49	69·7	55·5	62·1	3 above	141	+17	0	0	1229	-43	268	-135
Principal Grazing Districts.	6. SCOTLAND, WEST	81	46	72·6	52·3	61·8	6 above	139	+41	0	0	1038	+52	313	-112
	7. ENGLAND, N.W.	79	47	69·8	54·4	61·6	4 above	137	+29	0	0	1089	+32	273	-131
	8. ENGLAND, S.W.	78	44	69·1	55·3	61·8	3 above	139	+26	0	0	1209	-11	222	- 85
	9. IRELAND, NORTH	81	47	68·9	52·9	60·4	4 above	129	+29	0	0	1106	+27	271	- 81
	10. IRELAND SOUTH	80	44	70·2	54·7	62·1	4 above	141	+31	0	0	1349	+81	166	- 92
	— CHANNEL ISLANDS	73	53	67·9	57·1	62·1	3 above	141	+18	0	0	1454	+59	55	- 65

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 152.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	2	2	5 less	131	+22	23·9	+ 4·0	44	+11	36	+ 9	653	+ 7	28	0
	1. SCOTLAND, EAST	3	3	2 less	101	+ 8	11·1	- 2·4	49	+ 6	40	+ 5	739	- 4	32	0
	2. ENGLAND, N.E.	4	5	0 (average)	79	- 8	7·2	- 3·5	40	+ 3	34	+ 2	774	+ 3	34	0
	3. ENGLAND, EAST	5	7	2 more	90	+ 2	10·2	- 0·1	37	-10	32	- 8	869	+ 28	38	+ 1
	4. MIDLAND COUNTIES	3	11	5 more	88	+ 5	10·2	- 1·9	42	- 3	36	- 2	730	- 9	32	0
	5. ENGLAND, SOUTH	4	9	4 more	88	+ 6	12·9	+ 0·8	41	- 6	36	- 6	833	+ 3	36	0
Principal Grazing Districts.	6. SCOTLAND, WEST	1	less than half	8 less	102	+ 6	20·4	- 1·5	61	+14	51	+12	838	+ 77	36	+ 3
	7. ENGLAND, N.W.	2	5	1 less	92	+ 2	13·4	- 0·8	51	+ 9	44	+ 8	814	+121	35	+ 5
	8. ENGLAND, S.W.	4	12	6 more	95	+ 4	15·6	- 0·9	44	- 6	38	- 5	802	- 58	35	- 3
	9. IRELAND, NORTH	2	2	4 less	114	+ 5	16·1	+ 0·4	63	+28	54	+23	856	+143	37	+ 6
	10. IRELAND, SOUTH	3	6	1 less	107	+ 8	16·7	- 1·6	48	+ 8	42	+ 7	804	+ 3	35	0
	— CHANNEL ISLANDS	3	6	2 more	102	+ 7	13·6	- 0·3	62	+ 6	56	+ 5	914	- 80	40	- 4

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather. The conditions were rather unsettled over the country generally but finer and drier in the north and north-west than elsewhere. Thunder was experienced in a few south-western localities early in the week, and after Tuesday thunderstorms were very prevalent over England, and also occurred, though less frequently, at some Scottish stations.

Temperature was above the mean, the excess ranging from 2° in England N.E. to 3° or 4° in most other districts, to 5° in Scotland N. and to 6° in Scotland W. The highest of the maxima were recorded during the beginning or at the middle of the week, and varied from 85° in Scotland E. to 77° in England N.E. and to 73° in the Channel Islands. The lowest of the minima, which were registered on rather irregular dates, ranged from 42° in Scotland N. and E. and 44° in England S.W. and Ireland S. to 49° in England E. and S., and to 53° in the Channel Islands. Towards the end of the period the minima were no lower than about 60° at several stations in the south and south-east of England.

Rainfall was less than the mean in Scotland, Ireland, and the north-west of England, and just equal to it in England N.E.; elsewhere there was an excess. The individual falls were of a thundery nature and were heavy locally; at Cullompton on Monday 0·9 in. fell in about an hour, and during the twenty-four hours ending 8 a.m. on Friday as much as 1·95 in. was measured at Dungeness.

Bright Sunshine exceeded the mean over Ireland, Scotland, and the north of England, as well as in the Channel Islands, but over England generally it was deficient. The percentage of the possible duration ranged from 56 in the Channel Islands, 54 in Ireland N., and 51 in Scotland W., to 32 in England E.

Barometer and Wind. At the commencement of the week pressure was highest to the northward and lowest to the southward of our Islands, and the wind consequently North-Easterly and Easterly. By Monday, however, the centre of a shallow but well-defined disturbance had appeared off our south-east coasts, and subsequently moving northwards, formed, in conjunction with another low pressure system in the north-west, an area of relatively low readings over the greater part of these Islands and the North Sea. With this change of distribution the wind gradually became Westerly, but continued light in force. Towards the end of the week a depression of decreasing intensity moved slowly eastwards from the Atlantic to our southern counties and the north of France, and finally northward over England. The cyclonic circulation of the wind around the system was well marked but it was generally light, and nowhere exceeded the strength of a fresh breeze.

3799 Wy. & S. Ltd.
370 6 | 05

II.—DATA from which the SUMMARY on page 151 has been calculated.

Districts. June 25–July 1, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head	65	47	57·4	49·6	53·2	+ 2·3	78	0	5	0·36	− 0·12	*	*	*	*
	Stornoway	72	48	66·3	51·0	58·1	+ 5·1	113	0	0	0·00	− 0·60	65·4	+ 27·1	52	+ 22
	Wick	65	42	60·3	48·4	53·9	+ 0·6	83	0	3	0·51	+ 0·06	*	*	*	*
	Lairg §	84	49	75·4	52·2	63·0	+ 9·6	147	0	?	?	?	*	*	*	*
	Glencarron §	79	43	70·8	51·0	60·2	+ 6·1	127	0	2	0·06	− 1·17	*	*	*	*
	Fort Augustus §	76	51	66·7	53·4	59·6	+ 4·2	123	0	0	0·00	− 0·58	50·4	+ 23·4	41	+ 19
1. SCOTLAND, E.	Nairn	73	44	67·4	51·1	58·7	+ 3·1	117	0	3	0·05	− 0·44	*	*	*	*
	Aberdeen	64	45	61·1	50·1	55·2	+ 0·1	92	0	3	0·38	− 0·12	34·2	− 7·2	28	− 6
	Braemar §	79	46	71·2	50·8	60·3	+ 7·1	128	0	4	0·54	− 0·05	*	*	*	*
	Clathick §	83	42	76·0	52·1	63·2	+ 6·3	148	0	3	0·34	− 0·35	*	*	*	*
	Leith	85	48	68·6	52·3	59·9	+ 3·0	125	0	3	0·68	+ 0·17	*	*	*	*
	Marchmont §	76	44	69·1	50·0	58·9	+ 3·8	118	0	1	0·02	− 0·65	51·6	+ 11·2	43	+ 9
2. ENGLAND, N.E	Alnwick Castle	75	43	67·5	49·7	58·0	+ 2·7	112	0	2	0·09	− 0·44	*	*	*	*
	Durham	77	44	67·9	49·7	58·2	+ 1·2	113	0	3	0·24	− 0·29	42·5	+ 4·0	36	+ 3
	Shields	68	45	63·0	49·6	55·8	0·0	97	0	2	0·04	− 0·42	*	*	*	*
	Scarborough M	71	46	64·3	51·9	57·7	+ 0·7	110	0	3	0·18	− 0·35	32·6	—	28	—
	Spurn Head	70	50	63·9	54·4	58·8	+ 1·3	118	0	5	1·09	+ 0·73	*	*	*	*
	Lincoln	76	47	72·0	53·1	61·9	+ 2·6	139	0	6	0·56	+ 0·08	*	*	*	*
	Fulbeck (Lincolnshire)	77	47	72·2	53·1	62·0	+ 3·2	140	0	6	1·03	+ 0·57	39·1	—	34	—
3. ENGLAND, E.	Hillington M	77	51	70·8	54·7	62·2	+ 3·4	141	0	6	1·18	+ 0·63	30·5	− 14·5	26	− 13
	Yarmouth	74	55	67·1	58·0	62·2	+ 4·2	141	0	5	0·26	− 0·24	*	*	*	*
	Geldeston	77	53	72·1	55·5	63·2	+ 4·8	148	0	4	0·77	+ 0·31	35·5	− 13·0	31	− 11
	Cambridge	78	51	71·9	54·2	62·4	+ 2·6	143	0	5	1·25	+ 0·75	37·0	− 9·0	32	− 8
	Felixstowe	74	53	69·2	56·2	62·3	+ 3·9	142	0	3	0·44	—	46·2	—	40	—
	Clacton-on-Sea	71	54	68·6	56·9	62·3	+ 3·1	142	0	5	0·52	—	41·8	—	36	—
	Rothamsted	77	49	71·0	53·4	61·6	+ 3·0	137	0	4	0·83	+ 0·30	43·5	− 2·3	38	− 2
	Shoeburyness	74	54	70·3	58·1	63·8	+ 4·5	153	0	4	0·37	− 0·01	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	77	49	71·5	51·7	60·9	+ 4·6	132	0	2	0·21	− 0·43	49·7	—	42	—
	Bawtry (Hesley Hall)	79	46	72·9	52·0	61·7	+ 3·1	138	0	3	0·70	+ 0·16	*	*	*	*
	Nottingham	79	48	72·3	52·9	61·9	+ 2·5	139	0	4	0·34	− 0·20	37·2	—	32	—
	Colly Weston (Stamford)	79	48	73·0	52·4	62·0	+ 2·8	140	0	4	0·97	+ 0·49	*	*	*	*
	Cheadle M	76	51	70·9	54·2	62·0	+ 5·5	140	0	3	0·68	+ 0·01	*	*	*	*
	Birmingham (Edgbaston)	77	55	71·7	55·8	63·2	+ 5·1	148	0	3	1·70	+ 1·10	41·8	—	36	—
	Shrewsbury	81	48	73·4	54·2	63·1	+ 4·0	148	0	4	1·28	—	*	*	*	*
	Hereford M	78	48	70·8	52·5	61·0	+ 1·9	133	0	3	1·78	+ 1·31	*	*	*	*
	Cirencester	76	51	70·5	54·1	61·7	+ 3·8	138	0	3	1·76	+ 1·21	43·6	− 1·8	38	− 2
	Oxford	78	52	72·0	54·9	62·9	+ 3·4	146	0	5	1·49	+ 0·97	41·1	− 4·4	36	− 4
	Westminster	79	53	72·3	56·7	64·0	+ 3·2	154	0	4	0·90	—	36·7	− 2·6	32	− 2
5. ENGLAND, S.	London (Brixton)	81	53	73·7	56·3	64·4	+ 3·4	157	0	4	1·10	+ 0·64	38·1‡	− 4·1‡	33‡	− 4‡
	Wisley (Surrey)	78	49	71·5	54·8	62·6	+ 0·8	144	0	4	0·92	—	42·8	—	38	—
	Swarraton (Alresford) M	75	50	69·8	54·3	61·5	+ 4·0	137	0	3	0·82	+ 0·31	*	*	*	*
	Tunbridge Wells M	78	51	70·9	54·5	62·1	+ 2·4	141	0	5	0·58	—	43·3	—	38	—
	Dungeness	67	51	65·1	56·4	60·5	+ 1·4	130	0	5	2·74	+ 1·41	35·3	—	31	—
	Hastings (St. Leonards)	71	53	67·4	55·8	61·2	+ 2·2	134	0	4	0·85	+ 0·42	40·7	− 12·2	36	− 11
	Southampton	81	54	74·0	57·3	65·1	+ 4·3	162	0	4	0·19	− 0·29	45·4	− 4·6	40	− 4
	Portland Bill	73	54	66·3	55·9	60·7	+ 2·5	131	0	4	0·17	—	*	*	*	*
	Shaftesbury M	74	51	68·2	54·6	60·9	+ 3·4	132	0	3	0·71	+ 0·16	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	79	49	74·1	53·3	63·0	+ 6·8	147	0	1	0·03	− 1·00	*	*	*	*
	Glasgow	79	49	72·2	53·8	62·4	+ 6·1	143	0	1	0·05	− 0·63	56·8	+ 21·5	47	+ 18
	Cally §	81	46	75·6	49·2	61·5	+ 5·5	137	0	1	0·02	− 0·76	*	*	*	*
	Aspatria	78	48	70·2	52·6	60·8	+ 4·7	132	0	0	0·00	—	70·2	—	59	—
	Douglas (Isle of Man)	74	48	70·8	52·8	61·2	+ 5·1	134	0	0	0·00	− 0·60	54·5	+ 6·3	46	+ 6
7. ENGLAND, N.W.	Newton Rigg	79	47	71·9	50·7	60·6	+ 4·8	130	0	1	0·03	—	66·0	—	56	—
	Stonyhurst	78	50	70·2	54·6	61·9	+ 4·7	139	0	2	0·04	− 0·79	46·7	+ 3·9	40	+ 3
	Blackpool M	74	49	68·7	52·6	60·1	+ 2·1	127	0	2	0·38	− 0·18	59·6	+ 16·2	51	+ 14
	Manchester (Prestwich)	78	52	71·6	54·5	62·5	+ 5·3	144	0	3	0·17	− 0·57	44·1	—	38	—
	Liverpool Obsy. (Bidston)	75	56	68·7	57·1	62·5	+ 3·8	144	0	3	0·50	− 0·04				
	Chester (Hawarden Bridge)	78	52	71·4	55·5	62·9	+ 4·3	146	0	3	2·02	—	*	*	*	*
	Llandudno M	73	54	68·3	56·1	61·8	+ 3·3	139	0	2	0·26	− 0·23	50·8	+ 6·8	43	+ 6
	Holyhead	72	54	67·1	55·6	61·0	+ 3·6	133	0	4	0·50	+ 0·02	*	*	*	*
	Bettws-y-Coed	79	50	70·7	52·6	61·0	+ 2·8	133	0	2	0·35	—	50·2	—	43	—
8. ENGLAND, S.W.	Llangammarch Wells	78	44	69·0	50·2	59·0	+ 1·6	119	0	4	1·59	—	39·2	—	34	—
	Pembroke	72	55	64·6	56·0	60·0	+ 2·9	126	0	4	1·35	+ 0·88	45·6	− 5·2	40	− 5
	Cardiff	77	50	69·0	54·8	61·4	+ 1·7	136	0	4	1·85	—	*	*	*	*
	Clifton	78	56	70·3	57·2	63·3	+ 4·2	149	0	3	1·03	+ 0·48	*	*	*	*
	Bath	77	50	71·3	54·7	62·4	+ 2·7	143	0	3	0·60	+ 0·06	47·3	—	42	—
	Arlington (N. Devon)	75	53	68·6	54·4	61·0	+ 4·1	133	0	5	1·18	+ 0·37	*	*	*	*
	Cullompton M	77	52	72·2	55·1	63·1	+ 3·8	148	0	5	1·39	+ 0·84	38·7	− 6·1	34	− 5
	Falmouth	75	55	68·7	58·1	63·0	+ 4·3	147	0	4	0·48	− 0·12	44·1	− 8·9	39	− 8
	Plymouth	76	56	68·4	57·5	62·6	+ 2·9	144	0	3	0·94	+ 0·44	48·5	− 0·5	43	− 1
9. IRELAND, N.	Malin Head	71	50	62·4	52·7	57·2	+ 1·5	106	0	3	0·33	− 0·24	*	*	*	*
	Edenfel (Omagh)	81	49	75·0	52·4	62·9	+ 7·1	146	0	2	0·20	− 0·50	*	*	*	*
	Blacksod Point	71	47	65·9	54·3	59·7	+ 3·0	124	0	1	0·02	− 0·62	*	*	*	*
	Markree Castle	78	48	72·0	51·9	61·3	+ 5·5	135	0	2	0·04	− 0·73	63·6	+ 28·6	54	+ 24
	Armagh	80	47	73·4	52·8	62·4	+ 5·7	143	0	3	0·63	+ 0·01	63·2	+ 26·8	54	+ 23
	Donaghadee	70	52	64·6	53·4	58·6	+ 2·3	116	0	2	0·06	− 0·49	*	*	*	*
10. IRELAND, S.	Dublin	77	53	70·8	56·5	63·2	+ 4·5	148	0	3	0·18	− 0·31	41·5	− 0·7	36	− 1
	Birr Castle	79	49	73·1	52·7	62·2	+ 4·9	141	0	3	0·30	− 0·30	53·3	+ 17·2	46	+ 15
	Kilkenny	78	44	72·1	53·9	62·4	+ 4·6	143	0	5	0·56	+ 0·01	*	*	*	*
	Waterford	77	54	70·4	56·9	63·2	+ 5·2	148	0	4	0·40	− 0·24	*	*	*	*
	Roche's Point	75	51	67·3	55·0	60·7	+ 2·3	131	0	3	0·92	+ 0·25	*	*	*	*
	Valencia	74	46	67·7	53·6	60·2	+ 2·8	127	0	3	1·04	+ 0·22	50·2	+ 8·9	44	+ 8
	Killarney	79	49	72·5	54·6	62·9	+ 5·8	146	0	3	0·48	− 0·22	*	*	*	*
	Foynes	80	?	67·5	?	?	?	?	?	2	?	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	70	55	67·0	56·7	61·5	+ 2·9	137	0	5	1·23	+ 0·79	51·5	− 2·8	46	− 3
	Jersey (St. Aubyn's)	73	53	68·7	57·4	62·7	+ 2·4	145	0	1	0·01	− 0·45	61·5	+ 5·0	55	+ 5

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked § is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

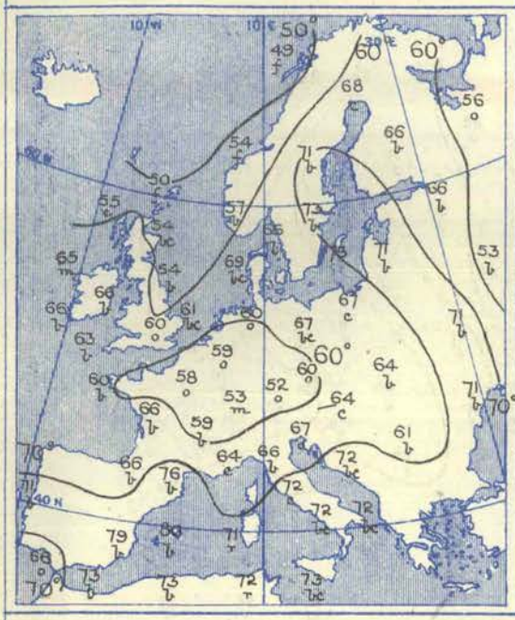
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

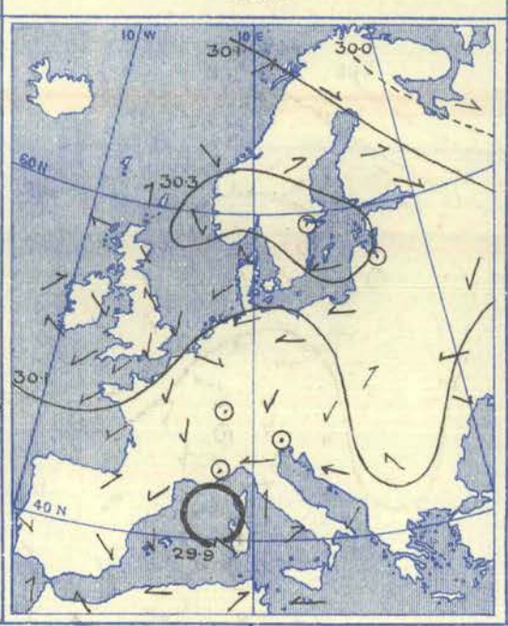
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 25th June, 1905.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

Weather at 8 a.m. fine and bright over our area generally, but dull and rainy over the Netherlands and foggy in the Shetlands, Hebrides, and along the west coast of Norway. Rain falling at Cagliari and La Calle. Heavy rain experienced later over the north of Italy —1·9 in. at Florence—and considerable quantities in a few other Continental localities. Thunderstorms occurring at the mouth of the Elbe and at some French stations.

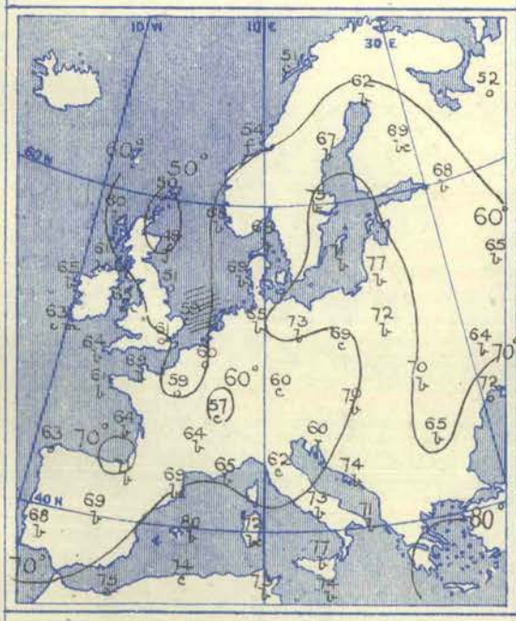
Temperature risen in most places. Morning readings highest, (1) 80° at Palma and above 70° at many other southern stations; (2) above 70° at several places on the shores of the Baltic and at Hernösand. Lowest, 49° at Christiansund, 50° at Sumburgh Head, 53° at Moscow, 52° at Munich, 54° at Limoges. Rising during day to 90° or above in Algeria, Tunisia, Spain, and Greece, to above 80° in the south generally, to 84° at Stockholm, and to 77° at Haparanda. Thermometer remaining below 60° at Aberdeen, in the Shetlands, and on the north-west coast of Norway.

Wind in morning light or moderate in force and rather variable in direction, but mainly cyclonic in the south and anticyclonic in the north. No general change later, but South-Westerly current increasing to a moderate gale at Bodö.

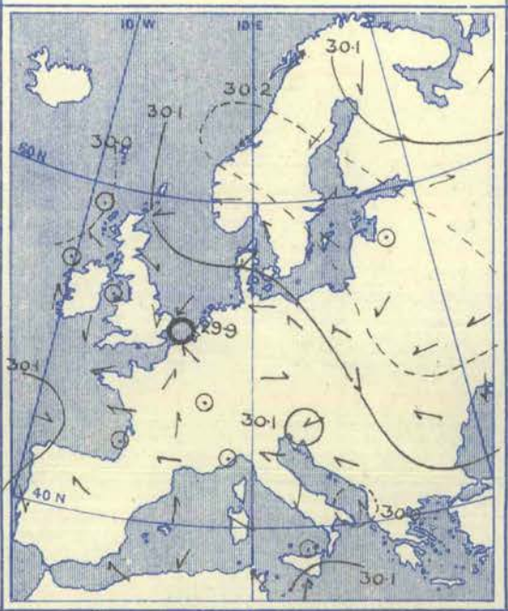
Barometer at 8 a.m. ranging from 30·1 ins. to above 30·3 ins. in a high pressure system covering the United Kingdom and the greater part of the Continent to below 30·0 ins. over the Ionian Sea, and to about 29·9 ins. between Sardinia and Spain. Considerable change taking place later within the high pressure area and barometer becoming lowest in a depression forming over central Spain. Pressure decreasing briskly over the Netherlands.

Monday, 26th June, 1905.

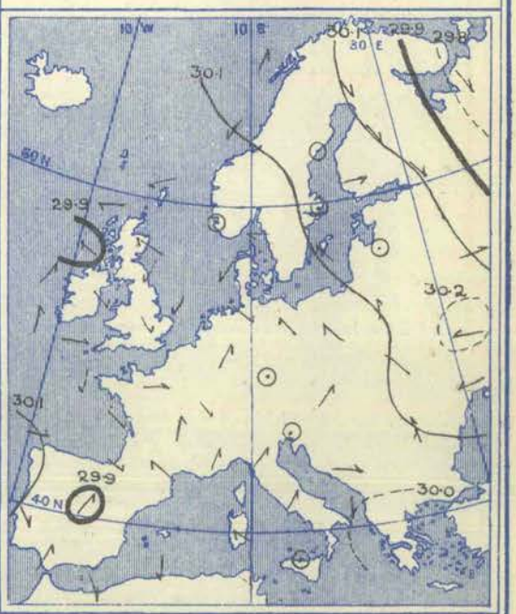
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast at nearly all English stations and in the adjacent parts of the Continent, and foggy at Spurn Head, on the north-east coast of Scotland, and at Christiansund. Fine in most other regions, but rainy at Pesaro and Trieste. Rain falling later in a few English localities, with a thunderstorm at Torquay. Thunderstorms also experienced in several parts of France and at Helder and Cuxhaven. Rain becoming rather general over the central countries.

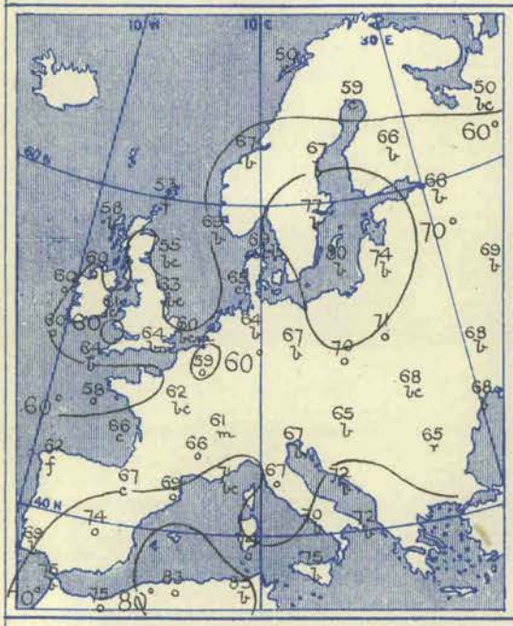
Temperature fallen in most places. Morning readings highest, (1) 81° at Athens, 80° at La Calle and Palma; (2) 77° at Memel, 75° at Stockholm, 73° at Berlin, 70° at Helsingfors. Lowest, 49° on the north-east coast of Scotland, 51° at Bodö, 52° at Archangel. Rising during day to 77° at Bettws-y-Coed, 78° at Birr Castle, to above 80° in the south of Sweden, several parts of central and southern Europe, and to above 90° in places. Highest value, 95° at Madrid.

Wind at 8 a.m. showing a cyclonic circulation of light to fresh winds over England and the adjacent portion of the Continent, and some partial cyclonic circulations over the Mediterranean region. Light anticyclonic airs prevailing over northern Europe.

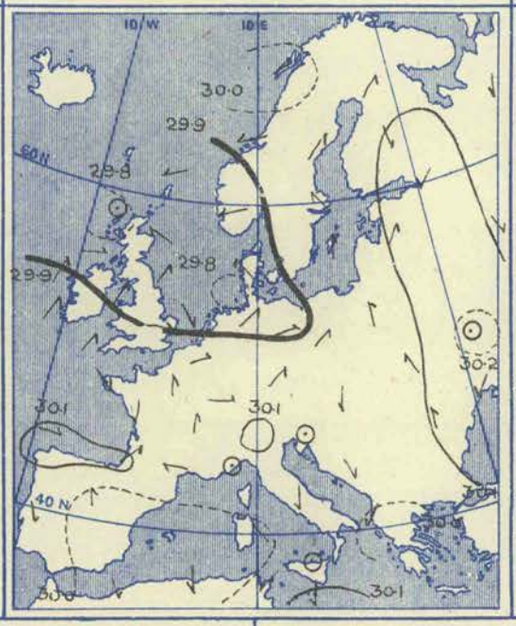
Barometer at 8 a.m. ranging from above 30·2 ins. in an elongated system over the northern countries to below 29·9 ins. in a depression off the south-east of England. Latter system partially dispersing during day and pressure becoming lowest over the north of Russia and central Spain. Changes slight generally, but mostly downward except over Italy and Little Russia.

Tuesday, 27th June, 1905.

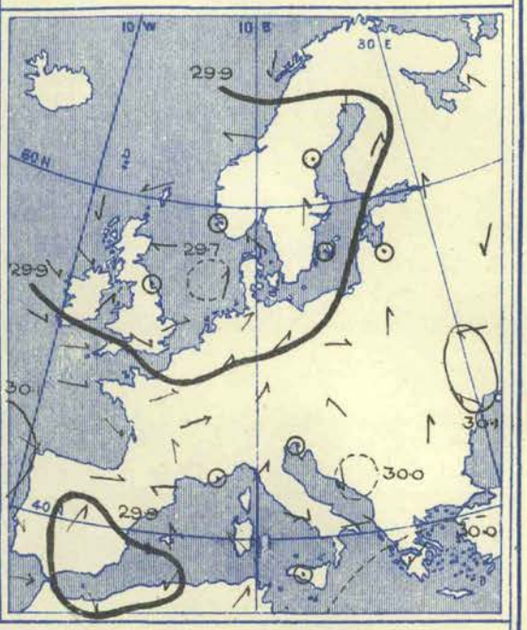
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine generally, but cloudy or overcast in the Netherlands and Denmark, with rain at the Helder and a thunderstorm at Skagen. Rain also reported at Barcelona and fog from Corunna, Spurn Head, and the north-east of Scotland. Thunderstorms experienced later in various parts of France and Great Britain and also at Karlstad—heaviest amounts of rain, 0·7 in. at Leith and 0·5 in. at Gap.

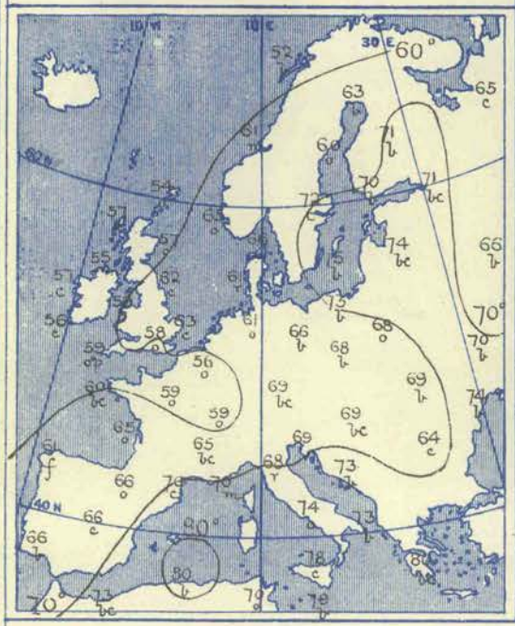
Temperature risen over our Islands and Scandinavia, changed rather irregularly elsewhere. Morning values highest, (1) above 80° at some Algerian stations and between 70° and 80° in the south generally; (2) 80° at Wisby, 77° at Stockholm and Memel, 71° at Helsingfors, 69° at Moscow and Skudesnaes. Lowest, 50° at Archangel and Bodö, 53° at Sumburgh Head, 55° at Aberdeen and Donaghadee. Rising during day to 102° at Palma, above 90° in several other southern localities, to above 80° in central Europe and the south of Sweden, to 85° at Leith, and to 79° in London.

Wind in morning light and variable over our area generally, but a feeble cyclonic circulation prevailing over our Islands and the adjacent countries. Very little change taking place later.

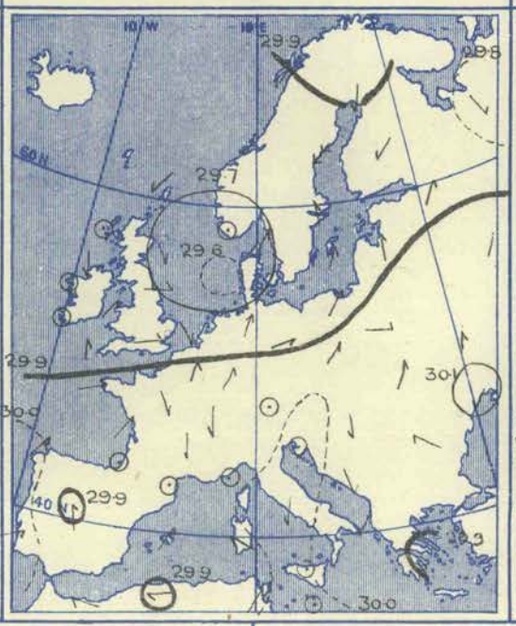
Barometer at 8 a.m. highest, 30·2 ins. in a large anticyclone having its maximum near Kiev and above 30·1 ins. over the north of Spain. Lowest, 29·8 ins. and less in a large disturbance containing two minima—one over the south-eastern corner of the North Sea, and the other over the Hebrides. Pressure decreasing very generally but rather uniformly during day and no important change occurring in the type of conditions.

Wednesday, 28th June, 1905.

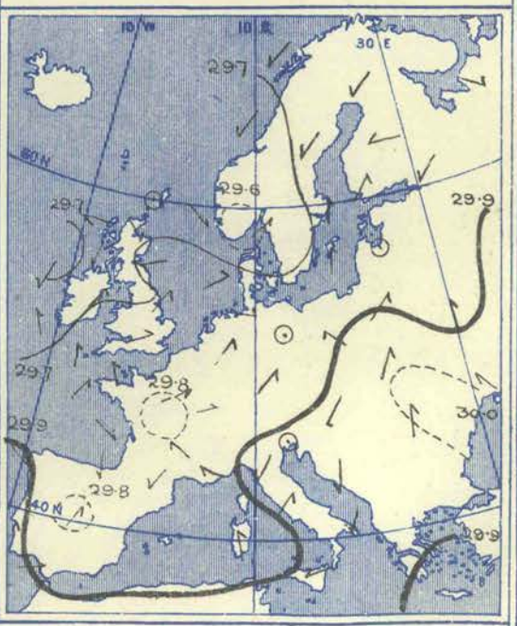
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast over the United Kingdom, the Netherlands, Denmark, and most of Scandinavia, as well as over the northern parts of Italy and Spain. Rain falling at Wick, Malin Head, Fanö, Barcelona, Turin, and Florence, and fog prevailing at Corunna. Fine, bright weather general in most other regions. Rain and thunderstorms later in several parts of Great Britain and France and rain also falling in Ireland, at several Norwegian stations, and in Denmark.

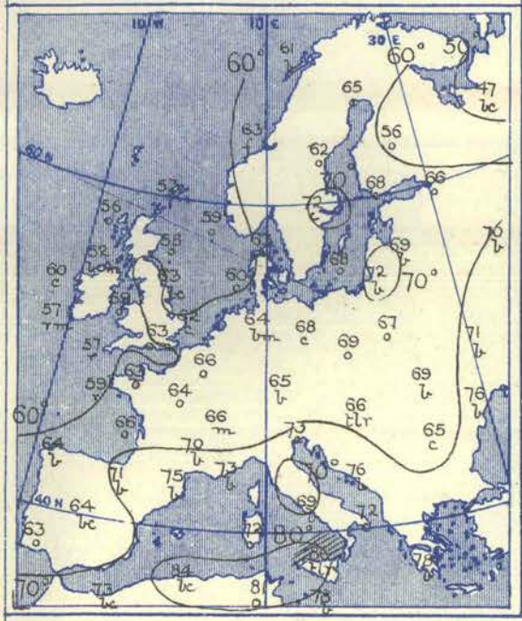
Temperature changed rather irregularly, but risen as a whole. Morning readings highest, (1) 82° at Aumale, 80° at Athens, 79° at Malta and Palma; above 70° in the south generally, including the south of Russia; (2) 75° at Wisby, 74° at Riga, 71° at St. Petersburg and Kuopio, 65° at Archangel. Lowest, 52° at Bodö, 54° in the Shetlands, 55° at Wick and Malin Head, 56° at Brussels, 58° in London. Thermometer exceeding 70° in many parts of England later and rising to 75° at Haparanda. Maxima above 80° over central and southern Europe, and above 90° on the north coast of Africa. Highest value, 106° at Tunis.

Wind at 8 a.m. showing an extensive cyclonic circulation around the North Sea, of little strength generally, but North-Easterly current blowing a gale at Hernösand. Light and mainly anticyclonic in the south and east of our area. Becoming more variable during day. Gale subsiding at Hernösand.

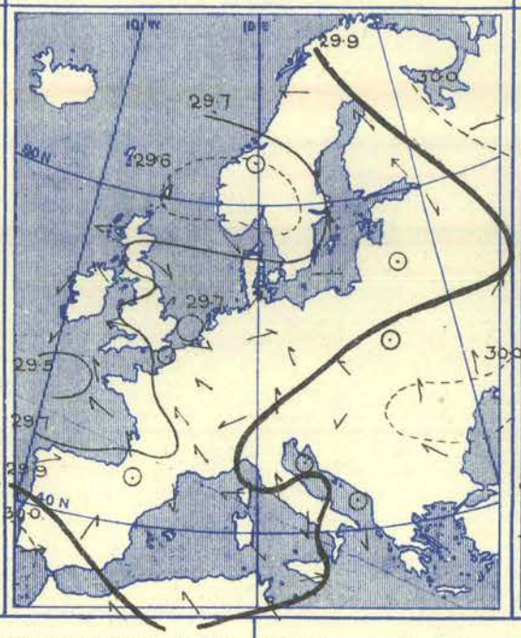
Barometer in morning, 30·1 ins. in the south-west of Russia, above 30·0 ins. in various other southern regions, and decreasing gradually to about 29·6 ins. in a depression having its centre over the eastern part of the North Sea. Pressure decreasing somewhat irregularly during day. Depression over the North Sea travelling slowly northwards to the Skager Rack.

Thursday, 29th June, 1905.

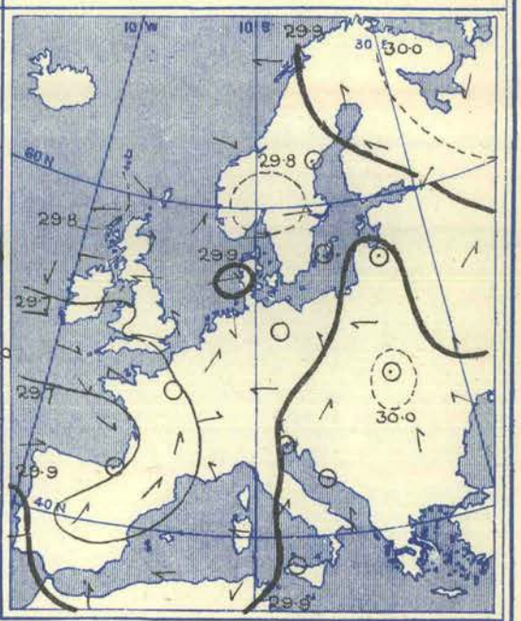
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast over our Islands and most other parts of western Europe. Rainy in the Shetlands, the south of Ireland, Brittany, and the extreme south-west of England. Fair or fine over the east and south of our area generally, but thunderstorms prevailing at Palermo and Buda-Pesth. Thunderstorms with heavy rain occurring later over France and heavy rain in the south and south-east of England—largest amounts, 1·5 in. at Limoges and 1·95 in. at Dungeness.

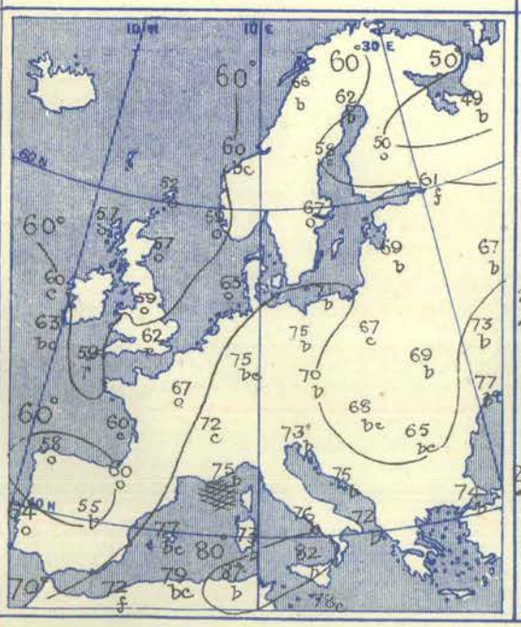
Temperature fallen in most regions. Morning readings highest, (1) 86° at Palermo 84° at Algiers, and above 70° at most other southern stations, (2) 72° at Stockholm and Memel, 73° at Neu-Fahrwasser, 70° at Moscow. Lowest, 47° at Archangel, 53° at Sumburgh Head, 55° at Wick, and 56° at Roche's Point. Rising subsequently to 102° at Tunis, 97° at Palermo, to above 80° at nearly all places in southern and central Europe, to 70° or above in many parts of our Islands and to 77° at St. Petersburg and Stockholm.

Wind at 8 a.m. moderate from North-West or West over the Spanish Peninsula, and from the South-Eastward or Eastward over the greater part of France and the United Kingdom. A separate cyclonic circulation prevailing over northern Europe. Light variable airs general over the southern regions. No important change later over our area as a whole, but wind shifting to West or North-West at Scilly and in the west of France.

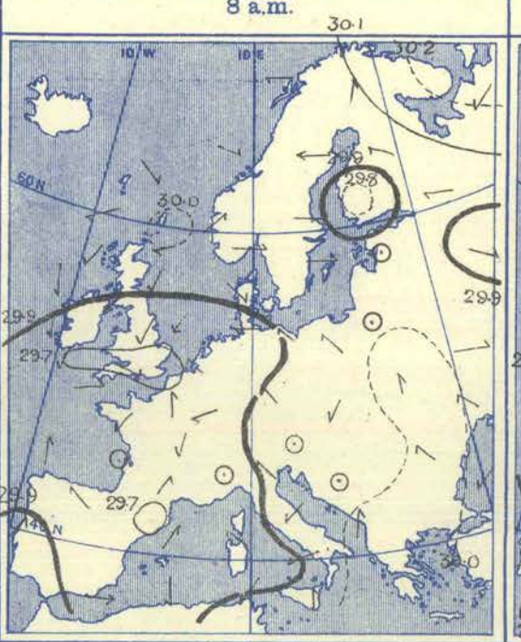
Barometer in morning above 30·0 ins. in some irregularly shaped systems over the southern parts of our area and in the extreme north of Russia. Below 29·5 ins. in a depression centred off the south of Ireland and less than 29·7 ins. in a small minimum off the coast of Lincolnshire and in a larger disturbance extending from the Shetlands to the south of Norway. Cyclonic systems all becoming less deep during day. Barometer falling somewhat in the south and rising over our Islands and Scandinavia.

Friday, 30th June, 1905.

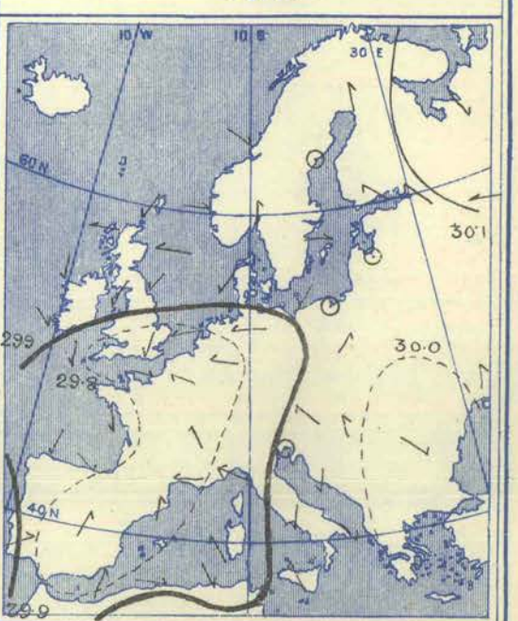
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very rainy over Normandy and the southern parts of England and cloudy or overcast over north-western Europe generally. Fair or fine in most other regions, but rainy over the north-east of Spain and also at Karlstad. Heavy rain later over the southern parts of our Islands—0·96 in. at Oxford and 0·62 in. in London. Large quantities also falling in various parts of France and the neighbouring Continental countries, with thunder and lightning in several places.

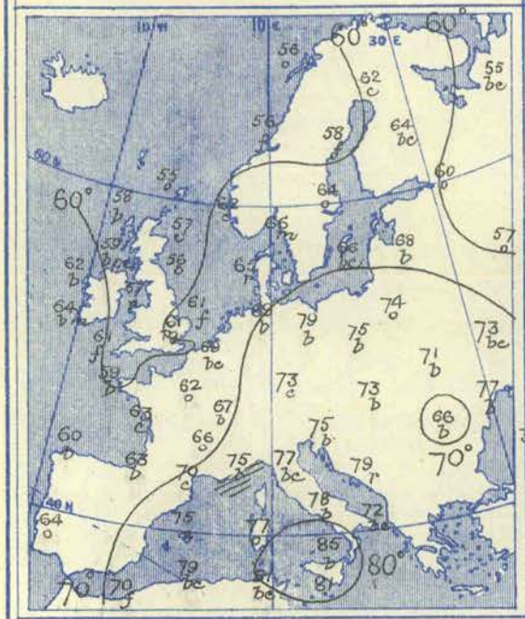
Temperature fallen generally, but risen over the central countries. Morning figures highest, (1) 87° at La Caille, 82° at Palermo and only a few degrees lower at several other stations in the Mediterranean region; (2) 76° at Aix-la-Chapelle, 75° at Berlin, 71° on the coast of Prussia, 67° at Moscow and Stockholm, and 66° at Bodö. Lowest, (1) 49° at Archangel; (2) 52° at Sumburgh Head, 55° at Leith, 56° at Spurn Head. Rising to 70° or above during day in Sweden and at a few of our own stations, to above 80° over central and southern Europe and to above 90° in places.

Wind at 8 a.m. showing several partial or complete cyclonic circulations of little strength, the most extensive one being around the English Channel. Scarcely any change taking place later.

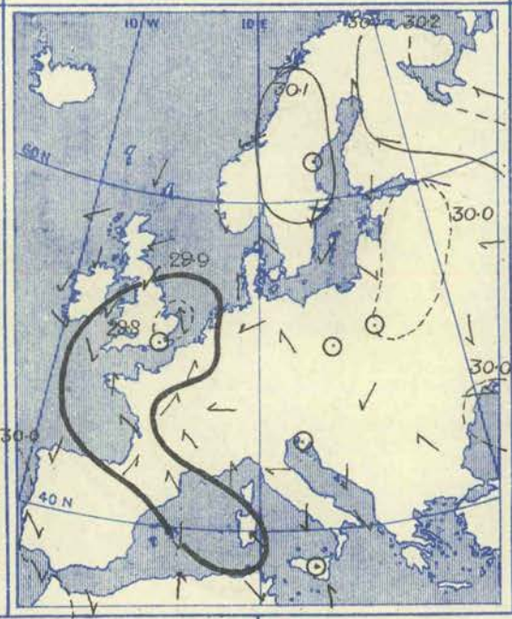
Barometer in morning highest, 30·2 ins. and above over the White Sea. Lowest, below 29·7 ins. in an elongated depression over the English Channel and in another system near Barcelona. Nearly as low in another disturbance centred over the south-west of Finland. Finnish depression disappearing later and barometer rising slowly over our Islands and France.

Saturday, 1st July, 1905.

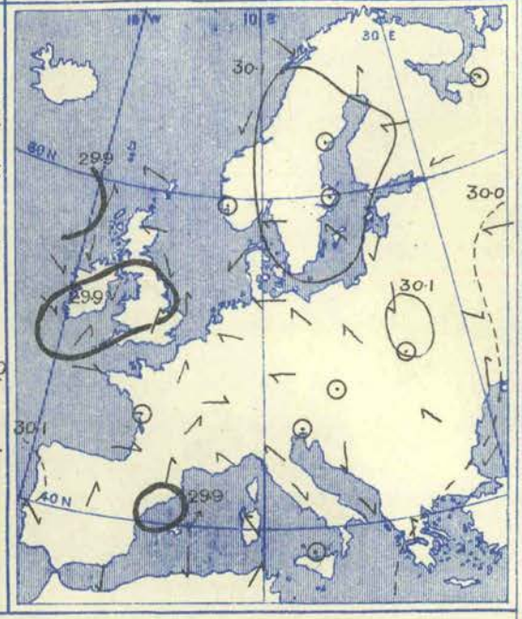
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. dull and rainy over England, Denmark, the north of Holland, and at Barcelona and Lesina, and a thunderstorm prevailing at Limoges. Cloudy to fine and bright over our area generally. Thunderstorms experienced later in the north of France and at the mouth of the Elbe, and rain in Denmark, many parts of our Islands, at a few German stations, and in Little Russia. Sky clearing during morning over the south of England.

Temperature changed irregularly. Morning readings highest, 85° at Palermo, 79° at Algiers and Berlin, 77° at Odessa, and above 70° over the central and southern countries generally. Lowest, 55° at Archangel and Sumburgh Head, 56° in the west of Norway and the north of England. Rising during day to 77° at Parsonstown, to above 80° in the south of France, to between 80° and 90° over the central countries, Italy, and the north of Africa, and to some degrees higher in places. Highest values, 97° at Berlin and Palermo, 99° at Florence, and 100° at Tunis.

Wind in morning mainly cyclonic in the south and south-west of our area and anticyclonic in the north. Light or moderate in force generally, but fresh over the east of England. No important change during day.

Barometer at 8 a.m. ranging from above 30·2 ins. in an anticyclone over the White Sea to below 29·8 ins. in a large and irregularly shaped depression having its chief minimum over England. Latter system travelling slowly northwards during day. Pressure giving way over the White Sea and becoming highest over Scandinavia and Poland.

IV.—GENERAL NOTES.

Both the high and low pressure systems were of little intensity and generally of irregular form. The former mainly existed in the north and east of our area and the latter in the west, some arriving from the Atlantic and others forming over France and its neighbourhood. The winds were consequently light in force and from various directions. Thunderstorms were of frequent occurrence over France and were also occasionally experienced over these Islands, the Netherlands, and central Europe. The rainfall accompanying the storms was heavy in places, but was more general over the northern departments of France than elsewhere. The average level of temperature was rather high, especially over Germany and Sweden. In the former country maxima of 90° and upwards were registered towards the close of the week, while some of the minima were above 70°. At the end of the week a general increase of barometric pressure was in progress, a shallow depression over England filling up gradually and at the same time travelling northwards.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 152.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	21·6	-12·4	17	- 10	CROMER	35·3	—	30	—	BOGNOR	46·6	—	41	—
STRATHPEFFER SPA	39·7	+ 5·4	32	+ 4	LOWESTOFT	33·7	—	29	—	VENTNOR HOSPITAL	48·2	+ 1·5	43	+ 1
CRATHES	61·4	—	50	—	DUNMOW	36·1	—	31	—	BOURNEMOUTH	44·0	—	39	—
BALRUDDERY	48·8	—	40	—	SHEFFIELD	43·0	—	37	—	MARLBOROUGH	38·3	- 5·1	34	- 5
EDINBURGH	46·5	+12·8	38	+ 11	WORKSOP	35·3	- 2·0	30	- 2	SOUTHPORT	53·7	—	46	—
COCKLE PARK	47·7	—	40	—	MARGATE	30·5	- 13·5	27	- 12	RHYL	53·0	—	45	—
NEWCASTLE-on-TYNE	41·3	—	35	—	BROADSTAIRS	—	—	—	—	ABERDOVEY	41·2	—	36	—
SALTBURN-by-the-SEA	37·2	—	31	—	RAMSGATE	36·0	—	32	—	TENBY	51·1	- 0·1	44	0
YORK	40·8	+ 1·1	35	+ 1	EASTBOURNE	39·4	- 12·2	35	- 11	TORQUAY	52·4	- 0·4	46	0
SKEGNESS	41·6	—	36	—	BRIGHTON	43·4	- 8·8	38	- 8	NEWQUAY	43·5	- 7·5	39	- 7
					WORTHING	47·3	—	42	—	GUERNSEY	73·9	+ 15·6	66	+ 14

Report received too late for insertion in its proper place.

TWENTY-EIGHTH YEAR. VOLUME XXII (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
Vol. 23, page 150	Broadstairs	—	—	—	—	—	—	—	—	—	—	—	78·2	—	68	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 27. TWENTY-SEVENTH WEEK, ENDING SATURDAY, JULY 8TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 158.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	72	39	62·3	50·1	55·8	2 above	97	+15	0	0	840	+18	476	− 80
	1. SCOTLAND, EAST	77	44	67·1	50·2	58·1	2 above	113	+15	0	0	1003	− 7	505	−100
	2. ENGLAND, N.E.	80	43	71·0	51·6	60·6	3 above	130	+22	0	0	1155	+97	374	−124
	3. ENGLAND, EAST	84	45	71·3	54·8	62·4	3 above	143	+21	0	0	1316	+48	349	−193
	4. MIDLAND COUNTIES	82	42	71·2	50·3	60·1	1 above	127	+ 8	0	0	1315	+17	394	−157
	5. ENGLAND, SOUTH	85	44	70·6	54·1	61·8	2 above	139	+11	0	0	1368	−32	268	−135
Principal Grazing Districts.	6. SCOTLAND, WEST	75	40	65·2	50·1	57·1	1 above	106	+ 4	0	0	1144	+56	313	−112
	7. ENGLAND, N.W.	83	40	67·5	51·2	58·8	1 above	118	+ 6	0	0	1207	+38	273	−131
	8. ENGLAND, S.W.	82	39	68·5	52·2	59·8	1 above	125	+ 8	0	0	1334	− 3	222	− 85
	9. IRELAND, NORTH	73	43	65·0	51·2	57·6	1 above	109	+ 5	0	0	1215	+32	271	− 81
	10. IRELAND SOUTH	80	43	68·1	51·7	59·3	1 above	121	+ 7	0	0	1470	+88	166	− 92
	— CHANNEL ISLANDS	78	54	66·6	55·8	60·8	1 above	132	+ 4	0	0	1586	+63	55	− 65

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 158.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	5	2 less	136	+23	24·4	+ 3·8	34	+ 3	28	+ 3	687	+ 10	28	0
	1. SCOTLAND, EAST	2	4	2 less	103	+ 6	11·5	− 2·6	53	+14	44	+12	792	+ 9	33	0
	2. ENGLAND, N.E.	1	2	4 less	80	−10	7·4	− 3·8	68	+31	58	+26	842	+ 34	35	+ 1
	3. ENGLAND, EAST	1	less than half	5 less	91	0	10·2	− 0·6	67	+20	59	+18	936	+ 48	39	+ 2
	4. MIDLAND COUNTIES	1	less than half	6 less	89	+ 3	10·2	− 2·5	69	+23	60	+20	799	+ 14	33	+ 1
	5. ENGLAND, SOUTH	2	2	3 less	90	+ 5	13·1	+ 0·5	58	+12	52	+10	891	+ 15	37	+ 1
Principal Grazing Districts.	6. SCOTLAND, WEST	3	4	5 less	105	+ 5	20·8	− 1·9	52	+10	44	+ 9	890	+ 88	37	+ 4
	7. ENGLAND, N.W.	2	1	5 less	94	+ 1	13·5	− 1·4	64	+24	55	+20	878	+145	36	+ 6
	8. ENGLAND, S.W.	2	1	5 less	97	+ 2	15·7	− 1·4	67	+19	59	+17	869	− 39	36	− 2
	9. IRELAND, NORTH	3	2	5 less	117	+ 3	16·3	− 0·1	43	+10	37	+ 9	899	+153	37	+ 6
	10. IRELAND, SOUTH	1	1	6 less	108	+ 5	16·8	− 2·2	49	+11	42	+10	853	+ 15	35	+ 1
	— CHANNEL ISLANDS	3	2	3 less	105	+ 6	13·8	− 0·6	58	+ 3	52	+ 3	972	− 77	41	− 3

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was rather changeable in the early part of the week, with thunderstorms in many districts—at first in the northern parts of Great Britain, and afterwards in the south and south-east of England. Later on a general improvement took place, and at the close of the period fine, dry and warm weather was reported over all but the extreme northern parts of the United Kingdom.

Temperature was above the mean, the excess being, as a rule, slight, but amounting to 3° in England N.E. and E. The highest readings were observed very generally on Saturday, but at some stations in the east of England they occurred on Monday. At the close of the week the thermometer exceeded 80° in most of the English districts, the highest reading reported being 85° in England S. (at Brixton). The lowest values were registered mainly during the latter half of the week, when the thermometer fell below 45° in all districts excepting England E. and the Channel Islands and slightly below 40° in Scotland N. and England S.W., as well as at some stations in Wiltshire and Berkshire the returns from which are not given on page 158.

Rainfall amounted to considerably less than the mean, especially in England E. and the Midland Counties, where the fall was inappreciable. At some places in the east of Scotland and the north-east of England large quantities were experienced with the thunderstorms of Sunday.

Bright Sunshine was in excess of the mean. More than half the possible duration was recorded in many districts and as much as 60 per cent. in the Midland Counties. In Ireland N., however, the percentage decreased to 37, and in Scotland N. to 28.

Barometer and Wind. At the commencement of the week a large and complex depression, hitherto reported over our southern districts, moved northwards, the wind being at first Southerly over Great Britain and Northerly over Ireland, but finally (as the disturbance travelled away to Scandinavia) Westerly in all districts. On Tuesday an anticyclone advanced to our south-west coasts, and later on the borders of this system extended eastwards, its central area remaining, however, for some time in the position in which it originally appeared. With these conditions the wind remained from the Westward in all but the southern districts, where it shifted to North or North-East. At the close of the week the anticyclone began to move away to the Continent, and the winds in the west and south of these Islands became rather variable.

3823 Wy. & S. Ltd.
370 7 | 05

II.—DATA from which the SUMMARY on page 157 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
July 2-8, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
O. SCOTLAND, N.	Sumburgh Head	59	46	56·7	49·3	52·7	+ 1·3	75	0	5	0·56	+ 0·06	*	*	*	*
	Stornoway	63	50	60·1	51·4	55·5	+ 2·0	95	0	7	0·54	- 0·11	34·3	- 1·4	28	- 1
	Wick	70	48	65·1	50·3	57·2	+ 3·1	106	0	4	0·44	- 0·07	*	*	*	*
	Lairg Ś	72	47	66·7	49·5	57·5	+ 3·8	109	0	5	0·50	- 0·14	*	*	*	*
	Glencarron Ś	64	39	60·4	47·8	53·7	- 0·5	82	0	4	0·59	- 0·70	*	*	*	*
	Fort Augustus Ś	70	50	64·8	52·5	58·2	+ 2·4	113	0	2	0·18	- 0·46	21·3	- 2·9	18	- 2
1. SCOTLAND, E.	Nairn	74	47	68·1	50·4	58·6	+ 2·6	116	0	5	0·21	- 0·34	*	*	*	*
	Aberdeen	74	44	67·1	51·0	58·5	+ 2·7	116	0	2	0·85	+ 0·28	52·5	+ 12·8	43	+ 11
	Braemar Ś	74	44	64·7	48·7	56·1	+ 2·4	99	0	1	0·08	- 0·52	*	*	*	*
	Clathick Ś												*	*	*	*
	Leith Ś	76	47	68·4	52·1	59·7	+ 2·3	124	0	2	0·39	- 0·15	*	*	*	*
	Marchmont Ś	77	46	67·1	48·9	57·4	+ 1·8	108	0	2	0·66	- 0·07	58·9	+ 19·3	50	+ 16
2. ENGLAND, N.E	Alnwick Castle	76	49	70·4	51·4	60·2	+ 4·1	127	0	2	0·19	- 0·39	*	*	*	*
	Durham	78	43	70·2	49·9	59·3	+ 1·6	121	0	1	0·09	- 0·49	61·4	+ 23·4	52	+ 20
	Shields	73	45	68·9	50·3	59·0	+ 2·5	119	0	1	0·75	+ 0·23	*	*	*	*
	Scarborough M	74	50	70·7	52·8	61·1	+ 3·4	134	0	0	0·00	- 0·55	64·7	—	55	—
	Spurn Head	75	54	69·0	56·0	62·1	+ 3·4	141	0	0	0·00	- 0·36	*	*	*	*
	Lincoln	79	46	74·0	50·5	61·4	+ 1·5	136	0	0	0·00	- 0·52	*	*	*	*
	Fulbeck (Lincolnshire)	80	46	73·5	50·6	61·3	+ 2·1	135	0	0	0·00	- 0·50	77·3	—	67	—
3. ENGLAND, E.	Hillington M	79	45	74·1	51·9	62·2	+ 2·8	141	0	1	0·02	- 0·56	66·1	+ 21·2	58	+ 18
	Yarmouth	74	55	68·4	57·9	62·8	+ 3·9	146	0	0	0·00	- 0·55	*	*	*	*
	Geldeston	75	48	71·9	53·4	62·0	+ 3·0	140	0	0	0·00	- 0·53	68·7	+ 20·7	60	+ 18
	Cambridge	84	45	74·6	52·6	62·8	+ 2·4	146	0	1	0·06	- 0·46	65·4	+ 19·7	57	+ 17
	Felixstowe	73	54	68·7	56·3	62·1	+ 3·0	141	0	0	0·00	—	53·2	—	47	—
	Clacton-on-Sea	71	50	69·1	56·3	62·3	+ 2·3	142	0	1	0·03	—	60·5	—	53	—
	Rothamsted	79	48	71·9	53·2	61·9	+ 2·8	139	0	1	0·01	- 0·53	66·6	+ 19·7	58	+ 17
	Shoeburyness	75	49	71·4	56·4	63·4	+ 3·4	150	0	2	0·03	- 0·36	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	77	44	70·1	49·3	59·0	+ 2·2	119	0	0	0·00	- 0·60	77·9	—	67	—
	Bawtry (Hesley Hall)	82	42	72·9	48·4	59·8	+ 0·9	125	0	0	0·00	- 0·56	*	*	*	*
	Nottingham	80	45	73·1	50·0	60·8	+ 0·7	132	0	1	0·01	- 0·56	70·1	—	60	—
	Colly Weston (Stamford)	80	46	73·1	51·4	61·5	+ 1·5	137	0	0	0·00	- 0·51	*	*	*	*
	Cheadle M	80	45	67·4	49·6	57·9	+ 0·9	111	0	2	0·08	- 0·58	*	*	*	*
	Birmingham (Edgbaston)	79	48	69·5	52·1	60·2	+ 1·3	127	0	1	0·01	- 0·59	63·6	—	55	—
	Shrewsbury	80	42	71·3	48·9	59·3	- 0·1	121	0	1	0·01	—	*	*	*	*
	Hereford M	79	42	71·6	49·1	59·6	- 0·1	123	0	1	0·02	- 0·47	*	*	*	*
	Cirencester	80	44	70·8	51·2	60·3	+ 1·7	128	0	0	0·00	- 0·59	62·4	+ 17·6	55	+ 15
	Oxford	81	46	72·6	53·0	62·1	+ 2·0	141	0	0	0·00	- 0·54	66·1	+ 20·7	58	+ 18
	Westminster	81	52	73·3	56·6	64·4	+ 3·0	157	0	1	0·02	—	56·2	+ 16·8	49	+ 15
5. ENGLAND, S.	London (Brixton)	85	49	74·9	55·1	64·3	+ 2·7	156	0	2	0·06	- 0·43	57·1‡	+ 15·1‡	50‡	+ 13‡
	Wisley (Surrey)	81	44	72·2	53·4	62·2	- 0·3	141	0	1	0·02	—	62·4	—	55	—
	Swarraton (Alresford) M	80	45	71·3	51·9	60·9	+ 2·9	132	0	2	0·06	- 0·48	*	*	*	*
	Tunbridge Wells M	81	47	72·4	53·2	62·1	+ 1·7	141	0	2	0·10	—	61·6	—	55	—
	Dungeness	70	51	65·7	55·0	60·0	+ 0·1	126	0	2	0·51	+ 0·16	53·1	—	47	—
	Hastings (St. Leonards)	77	53	68·1	55·4	61·3	+ 1·6	135	0	2	0·47	+ 0·02	57·2	+ 4·3	51	+ 4
	Southampton	78	48	73·9	54·7	63·6	+ 2·3	151	0	1	0·01	- 0·52	64·7	+ 15·2	57	+ 14
	Portland Bill	71	53	67·6	55·3	61·0	+ 2·3	133	0	2	0·14	—	*	*	*	*
	Shaftesbury M	77	48	69·5	53·3	60·8	+ 2·8	132	0	1	0·06	- 0·54	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	70	50	63·6	52·6	57·7	+ 1·2	110	0	6	1·01	- 0·07	*	*	*	*
	Glasgow	73	47	65·0	51·9	58·0	+ 1·1	112	0	3	0·24	- 0·46	39·6	+ 6·0	33	+ 5
	Cally Ś	75	40	67·4	45·4	55·6	- 0·7	95	0	2	0·11	- 0·71	*	*	*	*
	Aspatria	73	44	65·0	50·7	57·4	+ 0·8	108	0	2	0·35	—	54·9	—	47	—
	Douglas (Isle of Man)	70	46	65·2	49·9	57·0	+ 0·3	105	0	2	0·02	- 0·61	61·0	+ 14·6	52	+ 12
7. ENGLAND, N.W.	Newton Rigg	78	40	67·2	46·1	55·9	- 0·4	97	0	2	0·06	—	55·3	—	47	—
	Stonyhurst	76	45	66·1	51·0	58·0	+ 0·2	112	0	2	0·30	- 0·57	61·4	+ 20·0	53	+ 17
	Blackpool M	73	46	65·4	52·6	58·6	+ 0·1	116	0	1	0·07	- 0·54	71·2	+ 28·9	61	+ 25
	Manchester (Prestwich)	83	44	70·4	49·6	59·3	+ 1·4	121	0	2	0·04	- 0·72	62·0	—	53	—
	Liverpool Obsy. (Bidston)	74	50	66·3	54·0	59·7	+ 0·7	124	0	2	0·10	- 0·47	72·6	—	63	—
	Chester (Hawarden Bridge)	80	46	68·8	51·8	59·7	+ 0·6	124	0	1	0·04	—	*	*	*	*
	Llandudno M	71	50	67·4	53·3	59·9	+ 0·8	125	0	2	0·24	- 0·29	64·1	+ 21·7	55	+ 19
	Holyhead	73	52	66·3	53·1	59·2	+ 1·5	120	0	2	0·09	- 0·45	*	*	*	*
	Bettws-y-Coed	80	45	70·0	48·9	58·7	- 0·3	117	0	2	0·11	—	57·7	—	50	—
8. ENGLAND, S.W.	Llangammarch Wells	79	39	69·5	44·4	56·1	- 1·8	99	0	1	0·02	—	61·0	—	54	—
	Pembroke	72	52	64·0	54·1	58·7	+ 1·3	117	0	2	0·21	- 0·30	74·0	+ 25·3	65	+ 22
	Cardiff	79	46	70·5	52·7	61·0	+ 0·7	133	0	2	0·04	—	*	*	*	*
	Clifton	82	49	71·7	54·3	62·4	+ 2·5	143	0	1	0·13	- 0·48	*	*	*	*
	Bath	80	44	71·0	52·3	61·0	+ 0·6	133	0	1	0·08	- 0·47	70·6	—	62	—
	Arlington (N. Devon)	76	50	66·3	52·1	58·7	+ 1·1	117	0	2	0·17	- 0·71	*	*	*	*
	Cullompton M	79	43	71·3	50·9	60·4	+ 0·5	129	0	2	0·15	- 0·45	64·6	+ 21·1	57	+ 19
	Falmouth	68	50	65·1	54·3	59·3	+ 0·1	121	0	1	0·06	- 0·58	72·4	+ 20·3	65	+ 18
	Plymouth	75	50	67·4	54·3	60·4	+ 0·3	129	0	2	0·05	- 0·51	65·3	+ 17·2	58	+ 15
9. IRELAND, N.	Malin Head	66	49	61·1	50·7	55·5	- 0·6	95	0	4	0·61	0·00	*	*	*	*
	Edenfel (Omagh)	77	44	66·9	50·9	58·3	+ 2·2	114	0	3	0·15	- 0·57	*	*	*	*
	Blacksod Point	67	50	62·3	53·6	57·7	+ 0·7	110	0	4	0·15	- 0·50	*	*	*	*
	Markree Castle	72	43	67·1	49·8	57·9	+ 1·8	111	0	3	0·14	- 0·63	40·6	+ 8·8	35	+ 8
	Armagh	73	47	67·9	50·9	58·8	+ 1·9	118	0	2	0·05	- 0·61	46·0	+ 11·6	39	+ 10
	Donaghadee	71	49	64·7	51·4	57·6	+ 0·9	109	0	3	0·09	- 0·51	*	*	*	*
10. IRELAND, S.	Dublin	74	49	69·4	53·4	60·8	+ 1·7	132	0	2	0·07	- 0·46	50·5	+ 10·5	44	+ 9
	Birr Castle	77	47	69·1	50·1	58·9	+ 1·3	118	0	1	0·01	- 0·62	39·2	+ 5·0	34	+ 4
	Kilkenny	75	43	69·1	50·4	59·1	+ 1·0	120	0	0	0·00	- 0·56	*	*	*	*
	Waterford	73	47	70·4	51·3	60·2	+ 1·3	127	0	1	0·05	- 0·61	*	*	*	*
	Roche's Point	70	49	67·1	53·1	59·6	+ 1·0	123	0	1	0·03	- 0·64	*	*	*	*
	Valencia	66	45	62·4	51·9	56·8	- 1·0	104	0	1	0·04	- 0·80	56·5	+ 18·6	50	+ 16
	Killarney	78	45	70·9	50·6	60·0	+ 2·4	126	0	2	0·11	- 0·54	*	*	*	*
	Foynes	80	50	66·4	52·4	58·9	+ 1·8	118	0	2	0·18	- 0·46	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	67	54	64·1	55·3	59·4	+ 0·1	122	0	2	0·05	- 0·42	?53·3	+ 1·7	?48	+ 2
	Jersey (St. Aubyn's)	78	55	69·0	56·3	62·2	+ 1·1	141	0	4	0·35	- 0·13	56·9	+ 1·3	51	+ 1

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked Ś is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

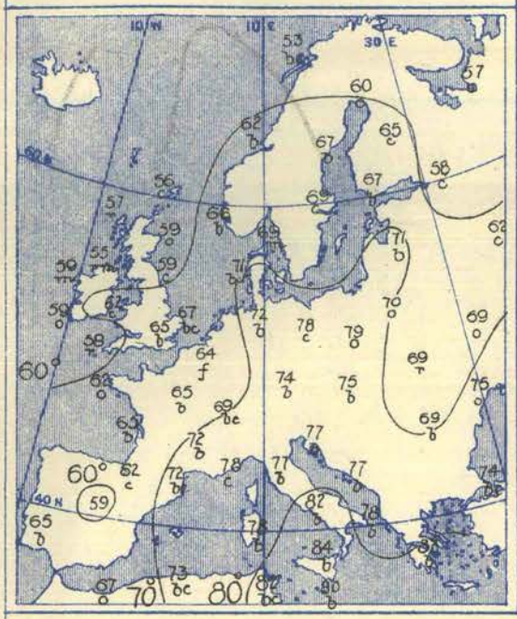
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

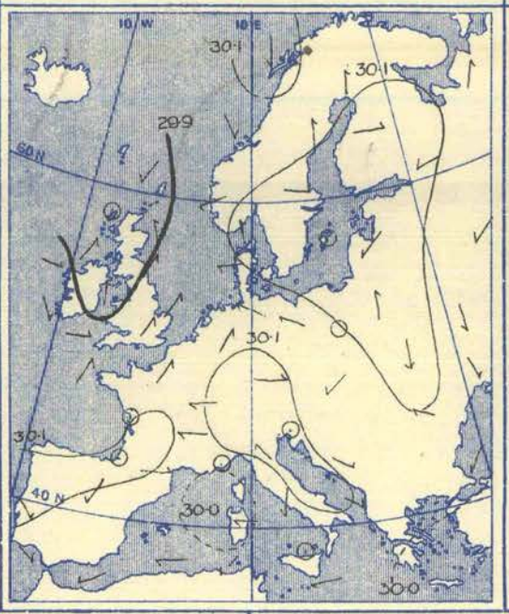
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 2nd July, 1905.

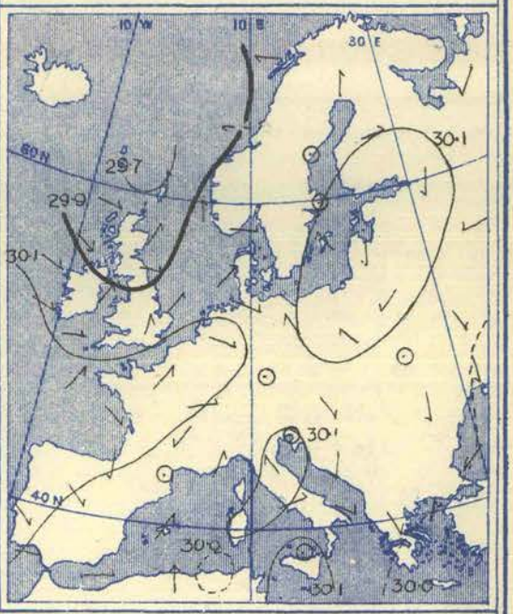
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair to fine over our area generally, but very cloudy or quite overcast in most parts of the United Kingdom, Denmark, and Poland, with rain at Malin Head, Scilly, and Lemberg, and thunder at Fanö. Thunderstorms experienced later over the north of England and the east of Scotland and also in the south of Scandinavia, and rain at Kiev and Neu-Fahrwasser. Heaviest falls about 0·75 in. at Karlstad, Aberdeen, and North Shields.

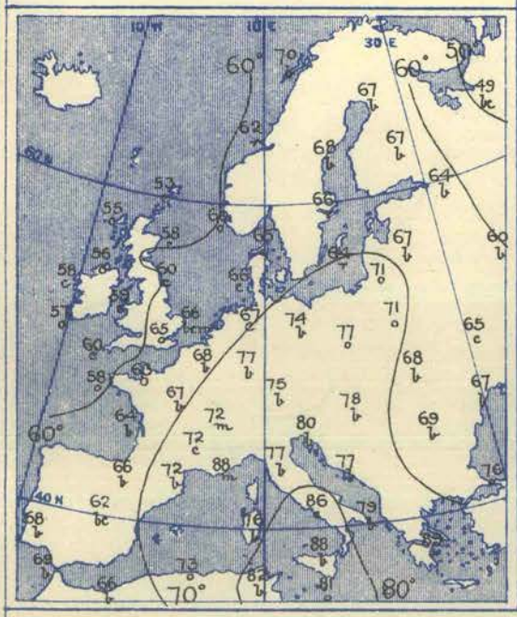
Temperature risen generally. Morning readings highest, 84° at Palermo and Rome, 83° at Athens, only a few degrees below 80° at nearly all stations in central Europe and on the North German coast. Lowest, 53° at Bodö, 55° at Malin Head, 56° in the north-east of Scotland, and 58° at Scilly and Pembroke. Rising during day to 100° at Rome, to above 90° in many parts of southern Europe and the central countries, and to 81° at Hernösand. Highest maximum in the United Kingdom, 75° at Spurn Head and Skegness. Succeeding night very warm over Germany and Austria—minimum temperatures above 70°.

Wind in morning light or moderate in force and variable in direction. Mainly anticyclonic on the Continent and cyclonic over our Islands. Increasing to a strong breeze or moderate gale from North-West later in the north of Ireland, but little other change occurring.

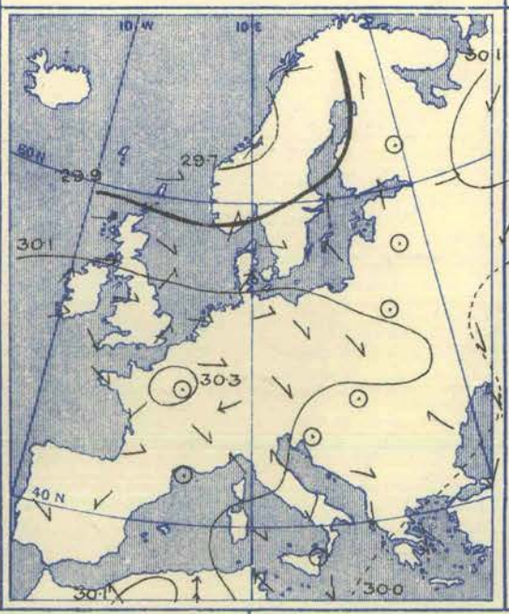
Barometer at 8 a.m. highest, above 30·1 ins. in several irregularly shaped areas over the Continent. Lowest, 29·9 ins. and less in a depression covering Scotland and the greater part of Ireland. Latter system travelling eastwards later and an anticyclone extending from the Atlantic and the Bay of Biscay to the northwest of Germany.

Monday, 3rd July, 1905.

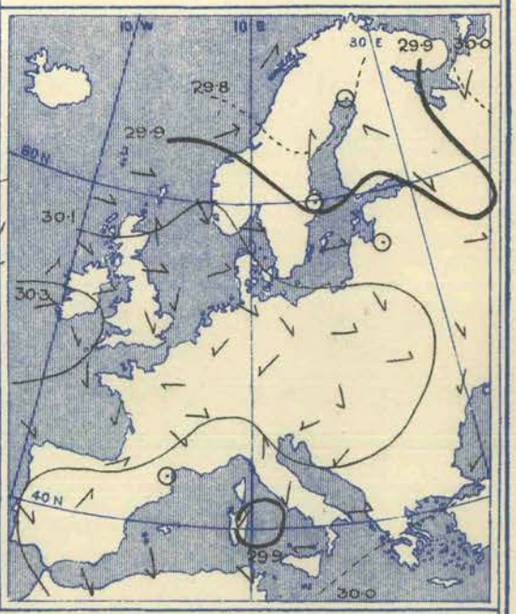
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast at most of our own and at a few stations on the Continent, with rain at Christiansund, in the south of Sweden, and at Athens. Fair to very fine over our area as a whole. Some rain falling later in a few parts of central Europe, in the west of France, our most north-western coasts, at some Scandinavian stations, and a thunderstorm experienced at Trieste—largest amount, 1·8 in. at Cracow.

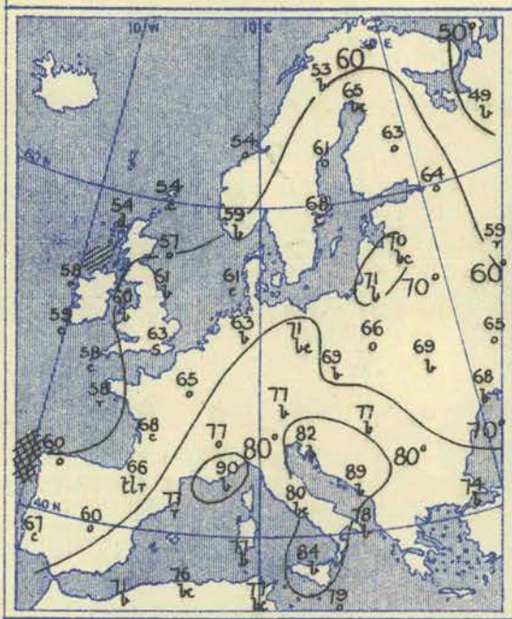
Temperature risen in most places. Morning readings ranging from 89° at Athens, 88° at Palermo and Cape Sicié, 80° at Trieste, and above 70° over all the central regions, to below 60° over Ireland, Wales, and most parts of Scotland, and to 49° at Archangel. Maxima during day, 104° at Rome and Tunis, 101° at Florence, 90° at Nice, and above 90° at many stations over southern and central Europe, 82° at Haparanda, and 70° at Bodö. Highest over our Islands, 75° in London. Minima of the succeeding night, 61° in the south of Sweden, not much below 70° in Germany, and 81° at Nice.

Wind in morning light to fresh from the Westward over our Islands and the North Sea, from South-West and South over Scandinavia, and from the Eastward in Finmark. Light anticyclonic breezes prevalent over the central regions, and variable or Northerly airs in the south. Anticyclonic winds extending both to the northward and eastward by evening.

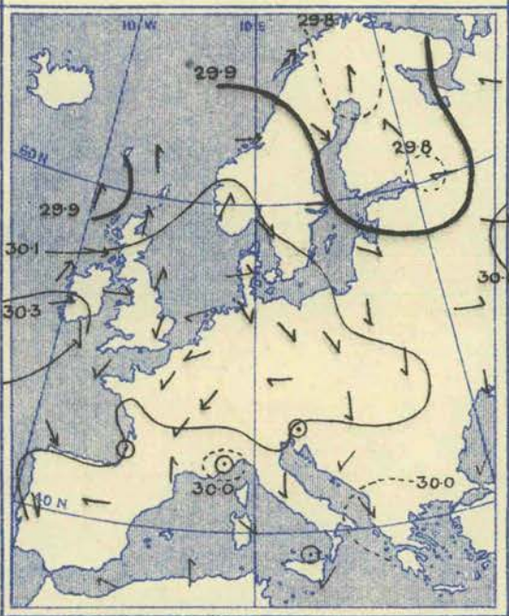
Barometer at 8 a.m. highest, 30·2 ins. and upwards in a large area of high pressure stretching from the Atlantic to central Europe. Lowest, 29·7 ins. and less in a depression centred off the west of Norway. Anticyclone increasing both in size and intensity during day and disturbance in north moving eastwards.

Tuesday, 4th July, 1905.

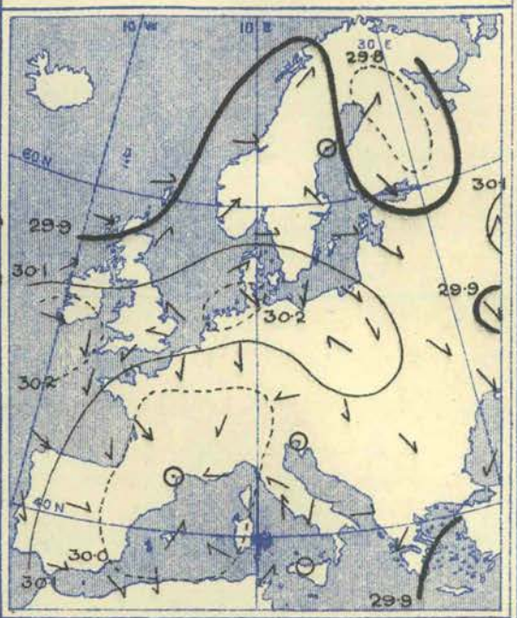
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine generally, but rainy at Moscow, Stornoway, in the west and north-west of France, as well as at Perpignan and Barcelona, and a thunderstorm at Biarritz. Thunderstorms experienced later in many parts of France, at Bilbao and on the coast of Kent, and also at some German stations. Heavy rain in several localities—largest amounts, 1·7 in. at Lorient, 1·5 in. at Brussels, 0·8 in. at Cape Gris Nez.

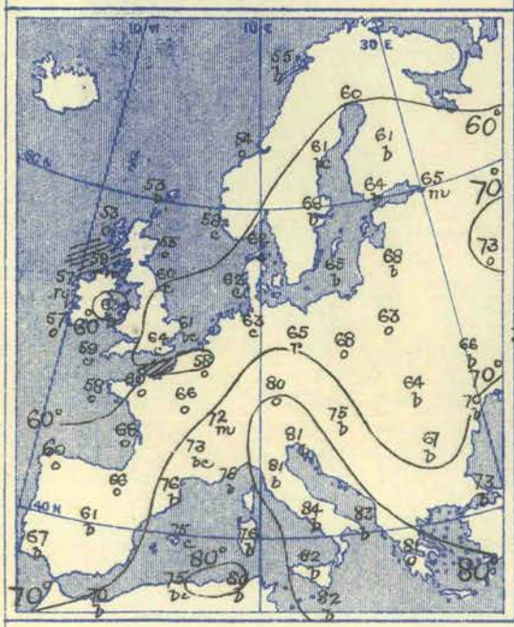
Temperature fallen somewhat in most regions. Morning values highest, 90° at Nice, 89° at Lesina, 84° at Rome and Palermo, 77° at Munich and Buda-Pesth, and 70° or above in nearly all parts of southern and central Europe. Lowest, 49° at Archangel, 53° at Bodö, 54° in the Shetlands and Hebrides, 56° at Birr Castle, and 58° in Brittany. Rising during day to 102° at Rome, Florence, and Croisette, to above 90° in many other parts of France and Italy, and over Germany and Greece, to 77° at Stockholm, and to 75° at St. Petersburg. Highest reading over our Islands, 73° at Scarborough.

Wind in morning light and anticyclonic over most of the United Kingdom and the central countries of the Continent. Partial or complete cyclonic circulations prevailing elsewhere; Westerly and North-Westerly winds strong in force in various parts of Scandinavia. No decided change later.

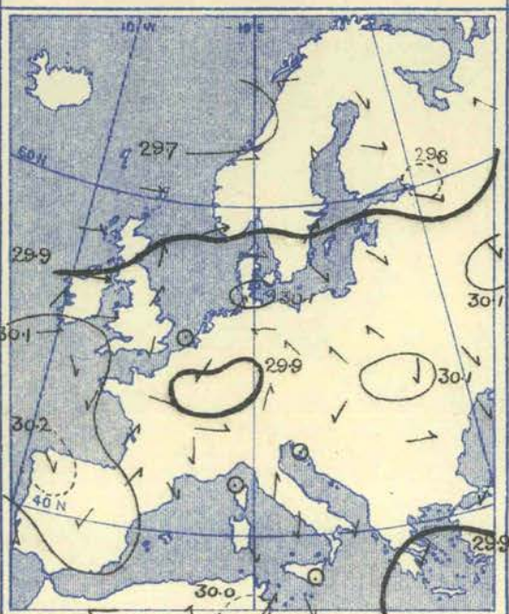
Barometer at 8 a.m. highest, above 30·3 ins. to 30·2 ins. in a large anticyclone extending from the Atlantic across Ireland, England, and the North Sea to the centre of Europe. Lowest, below 29·8 ins. in a depression having its centre near St. Petersburg and in another minimum over Lapland; nearly as low in a disturbance lying off the north-west of Scotland. High pressure giving way slowly later, a large shallow low pressure area forming over France, and Scotch disturbance travelling eastwards.

Wednesday, 5th July, 1905.

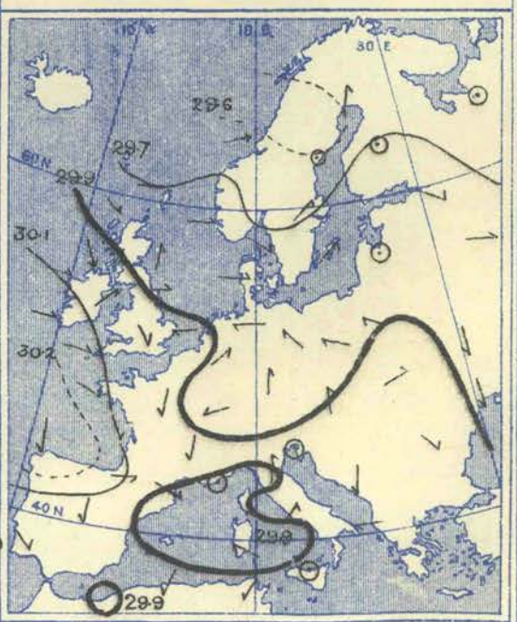
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast over the central countries, France, and in many parts of our Islands, with rain at Berlin, some French stations, and at Blacksod Point. Fair or fine in nearly all other regions. Slight rain falling subsequently in most parts of our Islands and heavier amounts over France and central Europe. Thunderstorms experienced at Vienna, Berne, and at several French stations.

Temperature fallen in most places. Morning readings above 80° in several parts of southern Europe, 80° at Munich, and 73° at Moscow. Below 55° in the extreme north of our Islands and at Christiansund, and 55° at Bodö and Archangel. Rising during day to 98° at Florence, 97° at Rome, to 90° or above in several other southern regions, to between 70° and 80° over France and North Germany, and to a little above 70° at some of our own stations and in Sweden.

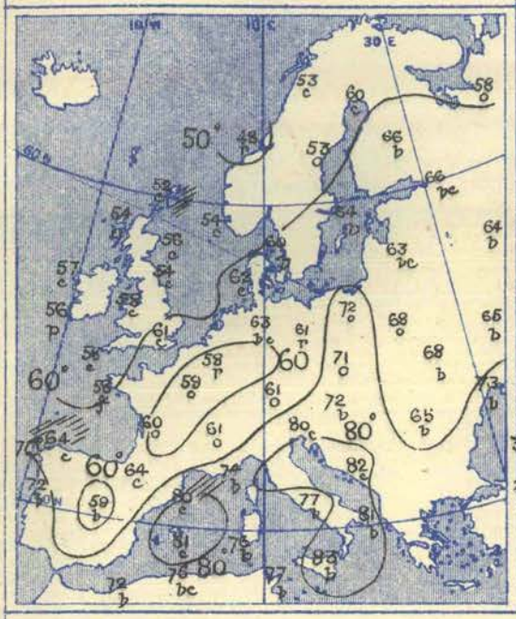
Wind in morning very variable. A well-marked cyclonic circulation prevailing over France and Germany and an extensive, but incomplete, cyclonic movement over all the more northern parts of our area. Some fresh or strong breezes reported from our north-west coasts and Scandinavia. No change of a general character later.

Barometer at 8 a.m. highest, 30·2 ins. and upwards over the north-west of Spain and above 30·1 ins. over Jutland, the south of Poland, and the centre of Russia. Lowest, 29·7 ins. and less in a depression off the west of Norway, below 29·8 ins. in two systems—one near St. Petersburg and the other near Kharkov—and less than 29·9 ins. in a disturbance over Belgium and the adjacent portions of France and Germany. Pressure decreasing in nearly all parts of our area during day except on our own north-west coasts. Low pressure systems undergoing considerable modification in form and moving north-eastwards.

Thursday, 6th July, 1905.

Temperature and Weather.

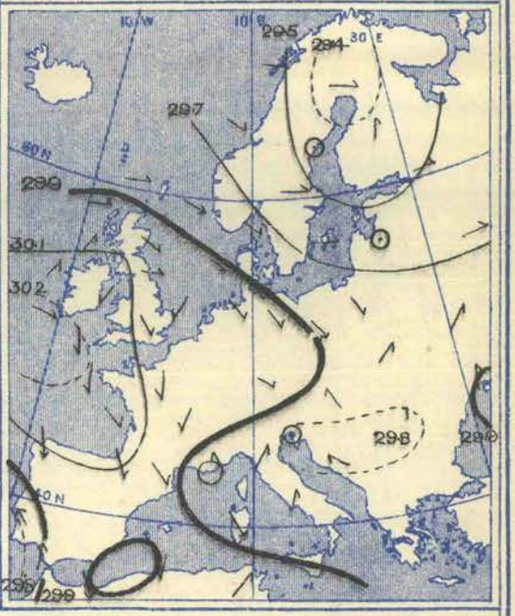
8 a.m.



Barometer and Wind.

8 a.m.

6 p.m.



Weather at 8 a.m. cloudy or overcast in nearly all parts of our Islands, France, Germany, and the north of Scandinavia, with rain at several stations in Germany and Belgium, and at Christiansund, and showers at Portland Bill and in Ireland. Fine and bright elsewhere. A thunderstorm, with 0·9 in. of rain, at Paris later, and considerable or heavy falls of rain in various other parts of the Continent.

Temperature fallen quickly in Bavaria and the east of France and a few degrees in most other regions, but risen in Austria and Portugal. Morning readings a little above 80° over most parts of Italy and its vicinity, and above 70° over Portugal and at several stations in central Europe. As low as 48° at Christiansund, 54° in the north of Scotland and at North Shields, 55° in the north-west of England 56° at Limoges, and 58° at Brussels. Rising subsequently to 70° in London, 73° at Stockholm, 75° at St. Petersburg, to above 80° in Austria, the south of France, and in southern Europe generally, and to above 90° in places.

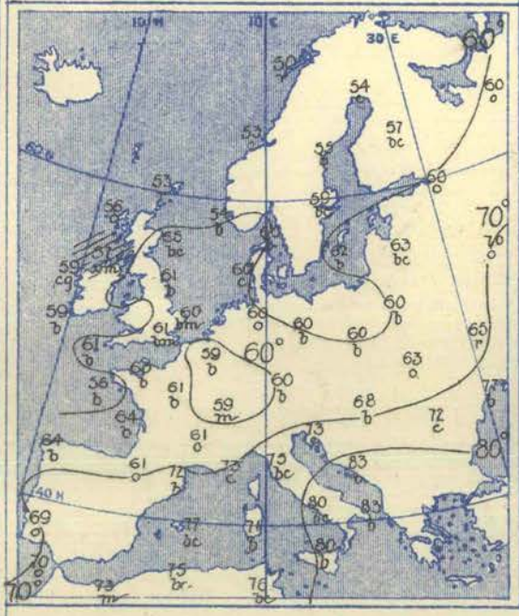
Wind in morning moderate from the North-Westward over these Islands and the greater part of France and Germany, and light or moderate from the Southward over the eastern half of Europe. Fresh or strong from the North-Eastward over the north of Spain and from the South-Westward at Lisbon. No great change later over our area generally, but North-Westerly wind increasing in force on the eastern shores of the North Sea, and backing to South West on our north-west coasts.

Barometer at 8 a.m. highest, 30·2 ins. and above in an anticyclone over the Bay of Biscay and the neighbouring part of the ocean. Lowest, 29·5 ins. and less in a depression over the north of Scandinavia. Relatively low in other systems over the Gulf of Genoa and near Lisbon. Northern disturbance travelling eastward during day and those in south remaining stationary. Pressure increasing over our Islands, the Netherlands, and Germany.

Friday, 7th July, 1905.

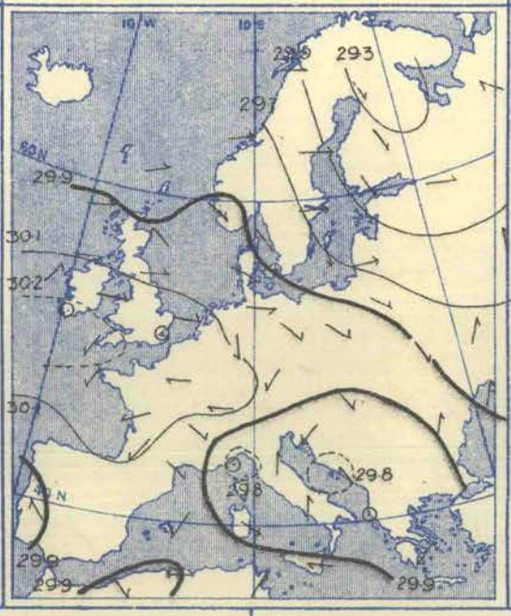
Temperature and Weather.

8 a.m.

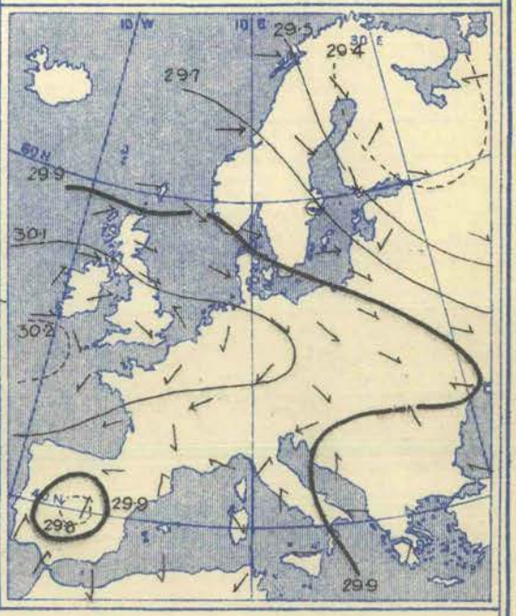


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. overcast in Portugal, on our most northern coasts, in the west of Norway, and in a few other places locally. Rainy at Sumburgh Head and Bodö. Fine over our area generally. Rain later in the north of Scotland, in many parts of Norway and Russia, and locally at Turin.

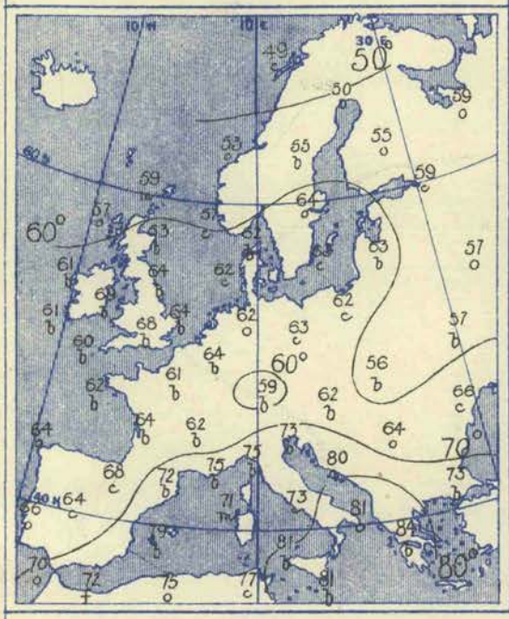
Temperature risen over most parts of our Islands and in the centre and south of Russia, fallen over Europe as a whole. Morning readings highest, (1) 85° at Athens, 83° at Brindisi and Lesina, 77° at Palma, 75° at Florence; (2) 70° at Moscow. Lowest, 50° at Bodö, 53° at Sumburgh Head, 56° at Brest, 57° at Birr Castle. Rising during the day to 70° and upwards at many of our own stations, to 77° at Oxford, 78° at Skegness, and 79° at Nottingham. Much higher values recorded on the Continent, the thermometer rising to 88° at Rochefort, 89° at Perpignan, and to considerably above 90° over southern Italy and Algeria.

Wind at 8 a.m. showing an extensive anticyclonic movement over Ireland, England, and the adjacent part of the Continent and cyclonic circulations both over northern and southern Europe. Light or moderate in force generally, but North-Westerly current fresh or strong over Scandinavia. No change of importance later.

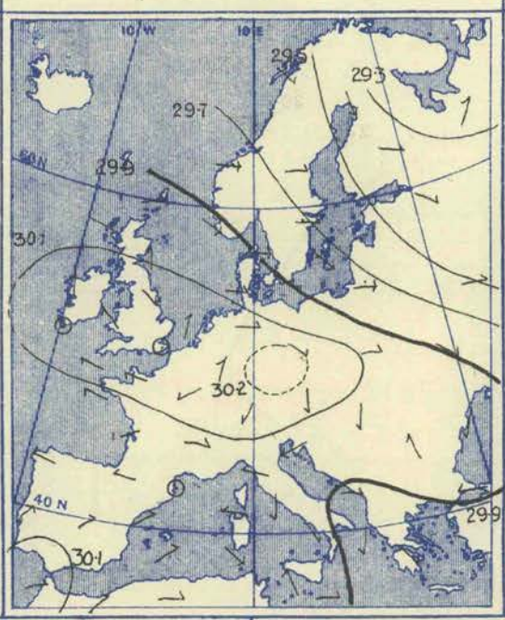
Barometer at 8 a.m. highest, above 30·2 ins. to 30·1 ins. in an anticyclone extending from the Atlantic to the Netherlands and the west of Germany. Lowest, below 29·3 ins. in a depression over the north of Finland; less than 29·8 ins. in two minima in the south—one over the Adriatic and the other over the Riviera. Another disturbance lying to the west of Portugal. Portuguese depression moving eastwards to central Spain later. No great change elsewhere.

Saturday, 8th July, 1905.

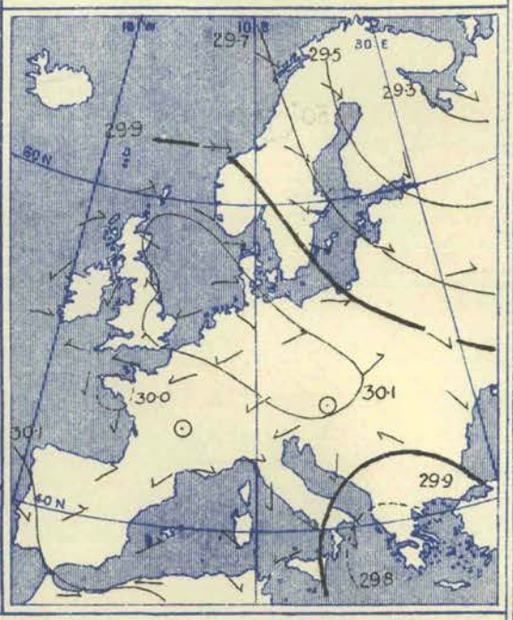
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull at many northern stations, fine generally elsewhere, but fog reported from Morocco. Rain later over the west coast of Norway, and also in the south of France where thunderstorms prevailed—largest amounts measured, 1·10 in. at Christiansund, and 0·39 in. at Biarritz.

Temperature risen somewhat in most places. Morning readings highest, 84° at Patras and 81° at several Mediterranean stations, above 70° over the Riviera and northern Italy, and above 60° over the greater part of these Islands and central Europe. Lowest, 49° at Bodö, 50° at Haparanda, and 53° at Christiansund and Sumburgh Head. Rising subsequently to 80° or slightly above at several of our own Midland stations, to considerably above 80° over the greater part of central and southern Europe, and reaching 90° at Malta, 93° at Rochefort, 97° at Tunis, and 109° at Aumale.

Wind Westerly and North-Westerly over all the northern countries, blowing a moderate gale at Christiansund, a fresh gale at Wilby, and strongly at many Scandinavian stations. Light variable breezes reported over England and Ireland, and light to moderate breezes, mainly from the Eastward, over central and southern Europe. No material change later beyond the appearance of slight cyclonic circulations over Ireland and Brittany.

Barometer highest, 30·1 ins. and upwards in a large anticyclone over our Islands, the north of France, the Netherlands, and central Europe. Lowest, 29·3 ins. and less in a disturbance over northern Europe, and 29·9 ins. and less over eastern Italy and south-eastern Europe. High pressure system giving way somewhat later, and small cyclonic systems appearing over Ireland and the north-west of France.

IV.—GENERAL NOTES.

The distribution of pressure during the week, while undergoing modifications from day to day, was, on the whole, of a comparatively simple type. Most of the time an area of high pressure, in which the barometer stood above 30·3 ins. on some days, extended from the Atlantic across Ireland, England and France to east central Europe. At the same time shallow disturbances were found outside our north-western and northern coasts, passing on to Scandinavia and northern Russia, where, towards the close of the period, pressure declined below 29·3 ins. Shallow low pressure areas were also found in various southern regions, from Portugal eastward to the Black Sea. The prevailing winds were consequently from some Westerly directions over the northern regions, and Easterly in the southern. As a rule, however, they were light to moderate in force, but there were a few occasions when a strong breeze was felt at some of the home and foreign stations, a fresh Southerly gale being experienced at Aumale on Monday, and on Saturday from West at Christiansund, and from North-West at Wisby. The weather generally was of a variable character both over our Islands and abroad, thunderstorms, accompanied by considerable rain and hail, being experienced in many places. It was only towards the close of the period that temperature rose as high as 80° in various parts of England and Ireland, but at the foreign stations the heat was intense most of the time, maximum temperatures exceeding 90° being recorded at a large number of stations, 100° and upwards at some, Rome rising to the unprecedented level of 104° on Monday, and Aumale reporting 109° on Saturday.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 158

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	42·0	+ 8·6	34	+ 7	CROMER	74·7	—	64	—	BOGNOR	52·4	—	46	—
STRATHPEFFER SPA	40·0	+ 8·0	33	+ 7	LOWESTOFT	71·4	—	65	—	VENTNOR HOSPITAL	54·8	+ 7·1	49	+ 6
CRATHES	61·3	—	50	—	DUNMOW	62·2	—	55	—	BOURNEMOUTH	66·4	—	59	—
BALRUDDERY	51·8	—	43	—	SHEFFIELD	75·5	—	65	—	MARLBOROUGH	54·8	+ 11·9	48	+ 11
EDINBURGH	42·4	+ 9·0	35	+ 8	WORKSOP	67·3	+ 29·9	58	+ 26	SOUTHPORT	71·5	—	61	—
COCKLE PARK	62·5	—	53	—	MARGATE	56·5	+ 11·8	50	+ 10	RHYL	68·7	—	59	—
NEWCASTLE-on-TYNE	50·6	—	43	—	BROADSTAIRS	59·5	—	53	—	ABERDOVEY	68·6	—	60	—
SALTBURN-by-the-SEA	59·4	—	50	—	RAMSGATE	60·2	—	53	—	TENBY	72·4	+ 23·4	64	+ 21
YORK	77·5	+38·0	66	+ 32	EASTBOURNE	61·9	+ 9·5	55	+ 8	TORQUAY	67·3	+ 16·3	60	+ 15
SKEGNESS	74·8	—	65	—	BRIGHTON	53·3	+ 1·3	47	+ 1	NEWQUAY	59·1	+ 9·7	52	+ 9
					WORTHING	55·0	—	49	—	GUERNSEY	63·8	+ 6·1	57	+ 6

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 21, page 122	Malin Head	—	—	—	—	—	—	—	—	—	0·69	+0·19	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 28. TWENTY-EIGHTH WEEK, ENDING SATURDAY, JULY 15TH, 1905. *Price 6d. Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 164.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	77	43	65·3	51·7	58·0	4 above	112	+26	0	0	952	+ 44	476	- 80
	1. SCOTLAND, EAST	82	43	70·1	53·0	60·9	4 above	132	+30	0	0	1135	+ 23	505	-100
	2. ENGLAND, N.E.	84	50	75·8	58·0	66·3	8 above	170	+56	0	0	1325	+153	374	-124
	3. ENGLAND, EAST	84	49	77·1	59·6	67·8	8 above	181	+53	0	0	1497	+101	349	-193
	4. MIDLAND COUNTIES	86	48	76·6	57·3	66·3	7 above	170	+46	0	0	1485	+ 63	394	-157
	5. ENGLAND, SOUTH	84	54	73·2	58·7	65·4	5 above	164	+29	0	0	1532	- 3	268	-135
Principal Grazing Districts.	6. SCOTLAND, WEST	79	49	70·0	55·5	62·2	5 above	141	+36	0	0	1285	+ 92	313	-112
	7. ENGLAND, N.W.	82	44	72·0	58·1	64·6	6 above	158	+42	0	0	1365	+ 80	273	-131
	8. ENGLAND, S.W.	82	50	70·3	58·2	63·8	4 above	153	+31	0	0	1487	+ 28	222	- 85
	9. IRELAND, NORTH	77	46	68·8	54·2	61·0	4 above	133	+26	0	0	1348	+ 58	271	- 81
	10. IRELAND SOUTH	82	48	71·1	57·1	63·6	5 above	151	+34	0	0	1621	+122	166	- 92
	— CHANNEL ISLANDS	75	55	69·1	58·9	63·7	3 above	152	+20	0	0	1738	+ 83	55	- 65

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 164.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	6	2 less	141	+24	25·0	+ 3·6	28	- 2	23	- 2	715	+ 8	28	0
	1. SCOTLAND, EAST	4	6	0 (average)	107	+ 7	12·1	- 2·7	37	0	31	0	829	+ 9	32	0
	2. ENGLAND, N.E.	2	2	3 less	82	-11	7·6	- 4·1	55	+14	48	+12	897	+ 48	35	+ 2
	3. ENGLAND, EAST	1	2	3 less	92	- 2	10·4	- 0·9	63	+16	56	+14	999	+ 63	40	+ 3
	4. MIDLAND COUNTIES	2	4	2 less	91	+ 1	10·6	- 2·7	58	+14	51	+13	857	+ 28	34	+ 1
	5. ENGLAND, SOUTH	1	1	4 less	91	+ 3	13·2	+ 0·1	51	+ 3	46	+3	942	+ 19	38	+ 1
Principal Grazing Districts.	6. SCOTLAND, WEST	4	8	0 (average)	109	+ 5	21·6	- 2·0	37	- 4	32	- 3	927	+ 84	36	+ 3
	7. ENGLAND, N.W.	4	6	1 less	98	+ 1	14·1	- 1·4	44	+ 6	38	+ 6	922	+151	36	+ 6
	8. ENGLAND, S.W.	3	4	2 less	100	+ 2	16·1	- 1·6	30	-18	27	-17	899	- 57	36	- 2
	9. IRELAND, NORTH	4	5	2 less	121	+ 3	16·8	- 0·3	34	+ 3	29	+ 2	933	+155	37	+ 6
	10. IRELAND, SOUTH	4	5	2 less	112	+ 6	17·3	- 2·4	34	- 2	30	- 1	887	+ 14	35	+ 1
	— CHANNEL ISLANDS	3	3	2 less	108	+ 6	14·1	- 0·8	39	-15	36	-14	1011	- 92	40	- 4

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather. At the commencement of the week the weather was close and changeable, thunderstorms occurring on Sunday over nearly the whole of Great Britain, as well as in some neighbouring portions of Ireland. Later on the weather over England improved very materially, but in Ireland, Scotland and Wales it remained somewhat unsettled, with frequent, though not heavy, falls of rain. Intermittent fogs (often of great density) were reported at many of our coast stations.

Temperature was considerably above the mean, the excess ranging from 4° in several of the western and northern districts to 7° in the Midland Counties, and to as many as 8° in England N.E. and E. At many places in the west and north the highest readings were recorded on Sunday, but over the Kingdom generally they occurred on Thursday or Friday; the thermometer on one or other of those occasions rising to 80° and upwards in most districts and to 86° in the Midland Counties (at Rawtry). The lowest readings occurred, as a rule, some time during the earlier half of the week, when the thermometer fell below 50° in many districts, and below 45° in Scotland N. and E. and England N.W. At a number of the English stations the thermometer on subsequent nights failed to sink below 60°.

Rainfall amounted to less than the mean in all districts excepting Scotland E. and England N.W., where the normal quantity was just reached. In the latter districts heavy local falls were experienced with the thunderstorms of Sunday.

Bright Sunshine was in excess of the mean in most of the Wheat-producing districts, as well as in England N.W. and Ireland N.; elsewhere the average duration was not reached. The percentage of the possible duration ranged from 56 in England E. and 51 in the Midland Counties to 29 in Ireland N., 27 in England S.W., and 23 in Scotland N.

Barometer and Wind. A large shallow barometrical depression, which travelled northwards over these Islands on Sunday, was attended by light and rather variable breezes, and by the thunderstorms noticed above. On reaching our northern districts the disturbance appears to have dispersed, and for the remainder of the week the weather over England was influenced by an anticyclone which spread northwards from France, the prevailing winds being chiefly from the Westward. In Ireland, where the conditions were affected by depressions moving out in the Atlantic, the wind was, as a rule, South-Westerly, while in Scotland it was at first Easterly, afterwards variable, and finally Westerly.

3853 Wy. & S. Ltd.
370 7 | 05

II.—DATA from which the SUMMARY on page 163 has been calculated.

Districts. July 9-15, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head	60	45	56·3	50·0	52·9	+ 0·6	76	0	5	0·60	+ 0·08	*	*	*	*
	Stornoway	60	49	65·4	54·1	59·4	+ 5·2	122	0	4	0·31	- 0·35	30·0	- 2·9	25	- 2
	Wick	70	48	64·0	51·1	57·1	+ 2·2	106	0	5	0·33	- 0·21	*	*	*	*
	Lairg Ⓢ	77	43	71·5	51·2	60·6	+ 6·4	130	0	7	0·41	- 0·26	*	*	*	*
	Glencarron Ⓢ	75	46	66·9	52·4	59·2	+ 4·6	120	0	4	1·07	- 0·28	*	*	*	*
	Fort Augustus Ⓢ	74	44	67·4	51·3	58·8	+ 2·6	118	0	4	0·82	+ 0·14	22·2	- 0·2	19	0
1. SCOTLAND, E.	Nairn	75	46	67·6	52·9	59·7	+ 3·1	124	0	6	0·64	+ 0·06	*	*	*	*
	Aberdeen	76	49	65·3	53·9	59·2	+ 2·5	120	0	4	0·41	- 0·21	28·1	- 9·9	23	- 8
	Braemar Ⓢ	75	43	68·8	49·9	58·7	+ 4·4	117	0	5	1·10	+ 0·49	*	*	*	*
	Clathick Ⓢ	82	47	74·5	51·2	62·0	+ 4·0	140	0	4	0·64	- 0·04	*	*	*	*
	Leith	81	52	71·3	55·4	62·8	+ 4·6	146	0	3	0·25	- 0·32	*	*	*	*
	Marchmont Ⓢ	78	52	73·0	54·4	63·1	+ 6·8	148	0	2	0·57	- 0·19	46·6	+ 7·7	40	+ 7
2. ENGLAND, N.E	Alnwick Castle	82	50	74·6	56·5	64·9	+ 7·9	160	0	2	0·18	- 0·43	*	*	*	*
	Durham	83	54	77·4	57·2	66·6	+ 8·1	172	0	1	0·06	- 0·56	45·7	+ 8·1	39	+ 7
	Shields	81	55	73·4	57·7	65·0	+ 7·6	161	0	3	0·21	- 0·34	*	*	*	*
	Scarborough Ⓜ	82	53	74·6	58·3	65·9	+ 7·3	167	0	1	0·10	- 0·48	57·6	—	50	—
	Spurn Head	76	57	72·0	60·0	65·6	+ 6·2	165	0	2	0·05	- 0·31	*	*	*	*
	Lincoln	84	52	79·5	58·7	68·4	+ 8·1	185	0	3	0·29	- 0·23	*	*	*	*
	Fulbeck (Lincolnshire)	82	52	79·0	57·7	67·6	+ 7·6	179	0	2	0·55	+ 0·04	65·2	—	57	—
3. ENGLAND, E.	Hillington Ⓜ	84	52	79·8	58·1	68·2	+ 8·0	183	0	3	0·16	- 0·46	52·9	+ 8·2	46	+ 7
	Yarmouth	78	60	74·1	62·4	67·8	+ 7·8	181	0	1	0·04	- 0·56	*	*	*	*
	Geldeston	82	49	78·2	58·1	67·5	+ 7·7	179	0	0	0·00	- 0·55	68·4	+ 20·8	61	+ 18
	Cambridge	82	51	78·5	58·7	67·9	+ 6·9	181	0	3	0·57	+ 0·04	63·1	+ 17·3	56	+ 15
	Felixstowe	80	59	76·3	60·4	67·8	+ 7·6	181	0	0	0·00	—	63·3	—	56	—
	Clacton-on-Sea	78	59	76·1	60·4	67·7	+ 7·2	180	0	1	0·01	—	54·7	—	49	—
	Rothamsted	80	52	76·1	57·7	66·3	+ 6·4	170	0	3	1·00	+ 0·44	63·4	+ 15·8	57	+ 14
	Shoeburyness	83	56	78·0	61·0	68·9	+ 8·2	188	0	0	0·00	- 0·40	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	81	49	76·6	56·2	65·7	+ 8·3	166	0	3	0·07	- 0·53	60·1	—	52	—
	Bawtry (Hesley Hall)	86	48	80·6	56·4	67·7	+ 8·0	180	0	1	0·15	- 0·43	*	*	*	*
	Nottingham	82	51	78·9	58·4	67·9	+ 7·6	181	0	1	0·55	- 0·01	55·3	—	49	—
	Colly Weston (Stamford)	83	52	78·9	57·6	67·5	+ 6·5	179	0	3	0·80	+ 0·26	*	*	*	*
	Cheadle Ⓜ	78	54	75·1	56·8	65·3	+ 7·8	163	0	4	1·18	+ 0·52	*	*	*	*
	Birmingham (Edgbaston)	80	57	75·4	58·0	66·1	+ 6·5	169	0	2	0·36	- 0·24	54·7	—	48	—
	Shrewsbury	79	55	76·5	58·7	67·0	+ 7·6	175	0	0	0·00	—	*	*	*	*
	Hereford Ⓜ	78	54	74·3	55·7	64·4	+ 4·0	157	0	4	0·35	- 0·15	*	*	*	*
	Cirencester	76	54	73·4	56·4	64·3	+ 4·9	156	0	2	0·37	- 0·25	56·7	+ 12·2	51	+ 11
	Oxford	80	54	76·0	58·7	66·8	+ 6·0	174	0	2	0·03	- 0·51	61·4	+ 16·0	55	+ 14
	Westminster	81	59	77·0	60·9	68·4	+ 6·4	185	0	2	0·60	—	57·3	+ 17·8	51	+ 16
5. ENGLAND, S.	London (Brixton)	84	56	78·7	60·3	68·9	+ 6·6	188	0	1	0·30	- 0·20	56·4‡	+ 14·3‡	50‡	+ 13‡
	Wisley (Surrey)	82	57	77·1	59·0	67·4	+ 4·9	178	0	0	0·00	—	57·3	—	51	—
	Swarraton (Alresford) Ⓜ	80	54	74·8	57·2	65·4	+ 6·5	164	0	1	0·06	- 0·50	*	*	*	*
	Tunbridge Wells Ⓜ															
	Dungeness	76	55	69·0	58·4	63·3	+ 2·5	149	0	2	0·03	- 0·32	50·8	—	45	—
	Hastings (St. Leonards)	75	57	70·5	59·1	64·4	+ 3·9	157	0	1	0·04	- 0·42	57·8	+ 5·1	52	+ 5
	Southampton	84	57	78·0	59·6	68·2	+ 6·2	183	0	2	0·06	- 0·49	53·8	+ 4·4	48	+ 4
	Portland Bill	68	57	65·9	58·3	61·8	+ 2·6	139	0	1	0·36	—	*	*	*	*
	Shaftesbury Ⓜ	75	55	71·6	57·6	64·1	+ 5·4	155	0	2	0·15	- 0·49	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	75	50	69·9	54·6	61·7	+ 4·8	138	0	6	2·24	+ 1·10	*	*	*	*
	Glasgow	74	56	70·9	56·8	63·4	+ 6·2	150	0	4	0·86	+ 0·13	32·9	+ 0·3	28	0
	Cally Ⓢ	78	51	70·7	55·1	62·4	+ 5·3	143	0	5	0·57	- 0·29	*	*	*	*
	Aspatria	79	55	71·0	57·2	63·6	+ 6·2	151	0	3	0·25	—	40·9	—	35	—
	Douglas (Isle of Man)	75	49	67·5	53·7	60·1	+ 3·0	127	0	3	0·18	- 0·47	37·2	- 8·1	32	- 7
7. ENGLAND, N.W.	Newton Rigg	80	44	74·4	54·3	63·7	+ 6·7	152	0	3	0·04	—	52·5	—	45	—
	Stonyhurst	78	56	71·5	58·7	64·7	+ 6·5	159	0	4	0·57	- 0·34	38·3	- 2·1	33	- 2
	Blackpool Ⓜ	81	52	71·3	57·2	63·8	+ 4·5	153	0	4	0·17	- 0·47	52·6	+ 11·0	46	+ 10
	Manchester (Prestwich)	82	57	75·3	59·2	66·7	+ 8·2	173	0	4	0·92	+ 0·13	46·1	—	40	—
	Liverpool Obsy. (Bidston)	78	58	71·9	60·1	65·6	+ 6·0	165	0	6	1·71	+ 1·11	60·1	—	52	—
	Chester (Hawarden Bridge)	77	58	73·9	60·9	67·0	+ 7·2	175	0	3	0·45	—	*	*	*	*
	Llandudno Ⓜ	76	57	72·4	59·2	65·3	+ 5·5	163	0	5	0·76	+ 0·22	51·7	+ 10·4	45	+ 9
	Holyhead	71	52	65·7	55·7	60·4	+ 2·0	129	0	5	0·24	- 0·31	*	*	*	*
	Bettws-y-Coed	80	54	71·6	57·4	64·0	+ 4·6	154	0	3	0·40	—	28·5	—	25	—
8. ENGLAND, S.W.	Llangammarch Wells	77	50	70·2	55·5	62·3	+ 4·2	142	0	5	0·14	—	22·4	—	20	—
	Pembroke	67	57	63·9	58·0	60·7	+ 2·6	131	0	3	0·12	- 0·42	27·3	- 19·7	24	- 18
	Cardiff	79	54	71·1	57·7	63·9	+ 3·2	153	0	3	0·20	—	*	*	*	*
	Clifton	79	59	73·2	60·0	66·1	+ 5·4	169	0	2	0·12	- 0·52	*	*	*	*
	Bath	77	57	72·6	59·3	65·5	+ 4·5	165	0	2	0·22	- 0·34	41·5	—	37	—
	Arlington (N. Devon)	78	54	68·4	57·1	62·4	+ 4·0	143	0	7	1·55	+ 0·61	*	*	*	*
	Cullompton Ⓜ	82	51	75·2	57·1	65·5	+ 4·8	165	0	3	0·12	- 0·51	32·0	- 10·5	29	- 10
	Falmouth	75	57	69·9	59·7	64·4	+ 4·4	157	0	2	0·52	- 0·14	28·4	- 23·1	26	- 21
	Plymouth	76	57	68·4	59·1	63·4	+ 2·5	150	0	2	0·68	+ 0·08	31·4	- 15·9	28	- 14
9. IRELAND, N.	Malin Head	71	50	65·9	53·4	59·2	+ 2·8	120	0	4	0·61	- 0·03	*	*	*	*
	Edenfel (Omagh)	74	50	70·0	54·0	61·4	+ 4·8	136	0	2	0·43	- 0·31	*	*	*	*
	Blacksod Point	68	51	65·4	56·0	60·4	+ 2·9	129	0	5	0·41	- 0·25	*	*	*	*
	Markree Castle	75	46	70·3	53·5	61·3	+ 4·6	135	0	5	0·29	- 0·51	31·3	+ 1·3	27	+ 1
	Armagh	77	51	72·3	55·4	63·3	+ 5·9	149	0	3	0·61	- 0·07	36·9	+ 4·2	32	+ 4
	Donaghadee	74	51	68·9	53·0	60·4	+ 3·1	129	0	4	0·37	- 0·26	*	*	*	*
10. IRELAND, S.	Dublin	82	56	75·1	60·3	67·2	+ 7·3	176	0	3	0·18	- 0·37	39·5	+ 1·1	35	+ 1
	Birr Castle	77	50	73·0	55·3	63·5	+ 5·3	151	0	5	0·37	- 0·28	36·5	+ 4·3	32	+ 4
	Kilkenny	77	50	73·1	55·9	63·9	+ 5·0	153	0	2	0·50	- 0·07	*	*	*	*
	Waterford	74	51	71·4	56·7	63·5	+ 4·0	151	0	3	0·15	- 0·52	*	*	*	*
	Roche's Point	72	53	67·4	58·1	62·4	+ 3·2	143	0	5	0·69	+ 0·03	*	*	*	*
	Valencia	72	48	66·7	56·9	61·5	+ 3·1	137	0	7	0·98	+ 0·12	26·0	- 9·8	23	- 9
	Killarney	78	48	71·9	57·5	64·2	+ 6·1	155	0	4	0·39	- 0·38	*	*	*	*
	Foynes	77	48	70·5	55·8	62·6	+ 5·2	144	0	4	0·64	- 0·03	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	70	55	67·6	58·7	62·8	+ 2·8	146	0	4	0·44	- 0·06	32·0	- 18·0	29	- 16
	Jersey (St. Aubyn's)	75	56	70·6	59·1	64·5	+ 2·8	158	0	2	0·10	- 0·41	45·4	- 9·8	41	- 9

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

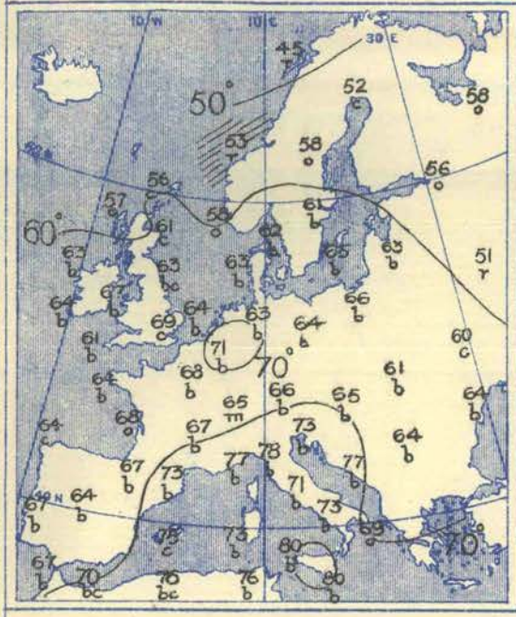
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

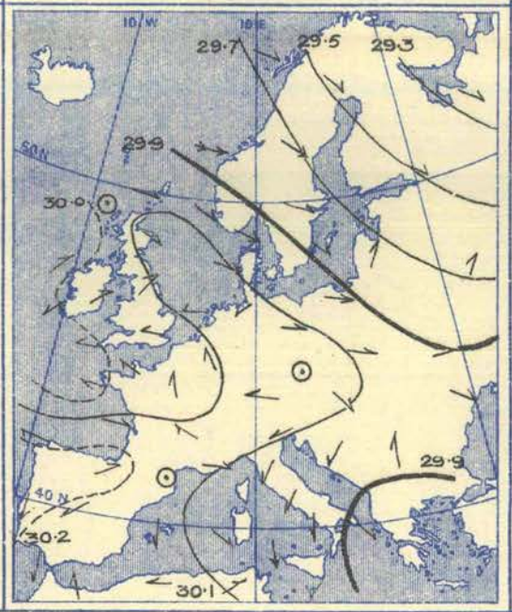
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 9th July, 1905.

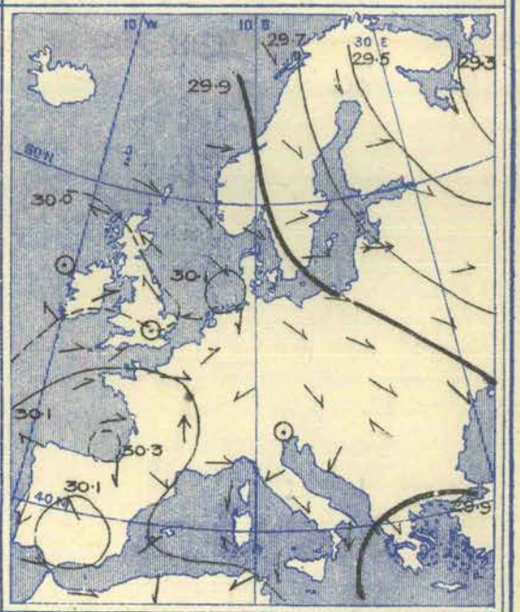
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull at many stations in northern Europe, as well as in some parts of Russia, with rain at Bodö, Christiansund, and Moscow. Thunderstorms, severe in some places, were experienced in many parts of England and Scotland later; heaviest rainfall, 1·53 in. at Liverpool. Rain also fell in considerable quantity over northern Russia, as much as 0·92 in. measured at St. Petersburg.

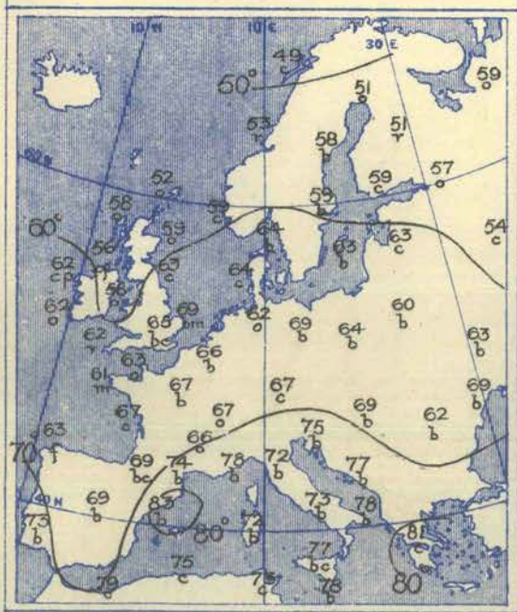
Temperature remaining high in most places. Morning readings highest, 91° at Aumale, 80° at Palermo and Malta, 78° at Leghorn, 77° at Nice and Lesina, 76° at Algiers and La Calle, above 60° over nearly the whole of our Islands and the central countries, and as high as 72° over western Germany. Lowest, 45° at Bodö, 52° at Haparanda, 53° at Christiansund, and 56° at Sumburgh Head. Rising later to 81° at Nottingham and 78° at Oxford and Margate. Much higher values recorded on the Continent, the thermometer rising to 90° at Lyons and San Fernando, 91° at Athens and Madrid, 95° at Tunis, and to 117° at Biskra.

Wind Westerly and North-Westerly all over northern Russia, blowing strongly in many places, and a fresh gale at Christiansund, light in force elsewhere, and mainly Easterly or variable in direction. Increasing to the force of a strong gale at Riga later. No change of importance elsewhere.

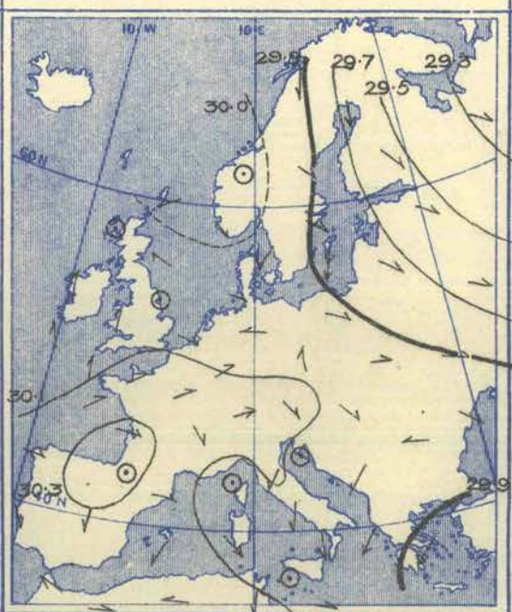
Barometer highest, 30·2 ins. and upwards over Portugal and the north of Spain and 30·2 ins. and upwards in a small system off the Dutch coast. Lowest, 29·3 ins. and less over the north of Russia, 29·9 ins. and less over south-eastern Europe, and 30·0 ins. and less in a shallow disturbance lying off our west and south-west coasts. Westerly depression spreading over our Islands later, and shallow system appearing over the Spanish Peninsula. No other material change.

Monday, 10th July, 1905.

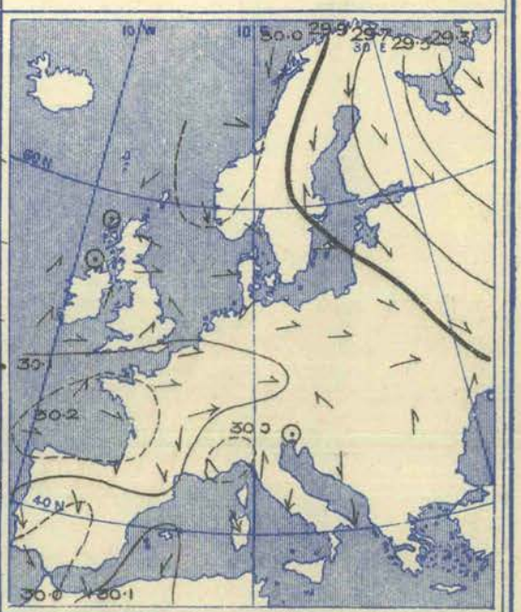
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine at most of the Continental stations, but dull over the greater part of these Islands, as well as over northern Russia, with rain at Scilly, Blacksod Point, and Archangel. Fog reported from the Irish Sea and Spurn Head. Rain later at many of the Irish and English stations, the north of France, and also over northern Russia—largest amounts, 0·62 in. at Valencia (Ireland) and 1·42 in. at St. Petersburg.

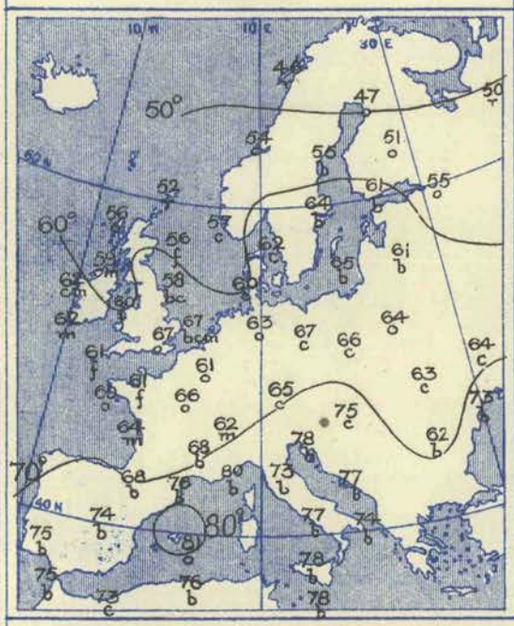
Temperature changing little. Morning readings highest, 83° at Barcelona, 81° at Athens and Palermo, and above 70° over the Mediterranean generally, above 60° over the greater part of these Islands and the central European countries, 73° at Aix-la-Chapelle. Lowest, 49° at Bodö, 51° at Haparanda and Kuopio, 52° at Sumburgh Head, and 53° at Christiansund. Rising during day to 80° at Lowestoft and 78° at Yarmouth, but at the majority of our stations 75° was not exceeded. Maxima exceeding 80° were recorded over Germany, while over the southern regions the thermometer rose to 87° at Perpignan, 88° at Nice, 90° at Cagliari, 95° at Sanguinaires, 97° at Madrid, and 107 at San Fernando.

Wind light to fresh from North and North-West over the Baltic and western Russia, South-Westerly to Westerly over France and the south of England, Southerly in Ireland, light or moderate from the Northward or North-Eastward in nearly all the southern regions, variable elsewhere. Veering to the South-Westward on our western coasts later. No other material change.

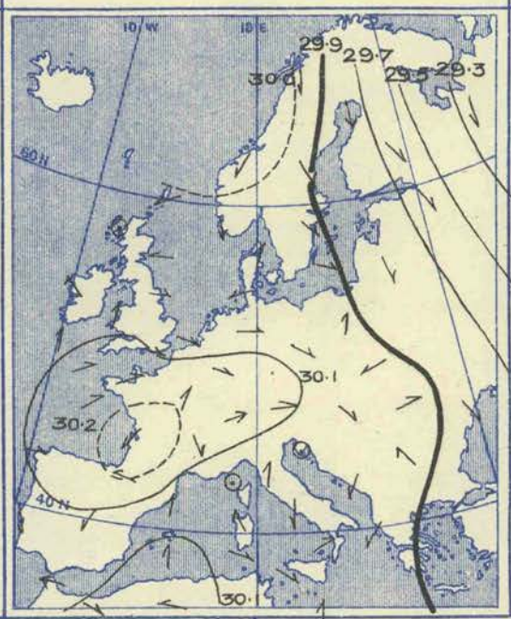
Barometer 30·3 ins. and upwards over the south-west of France and the north of Spain, 30·1 ins. and upwards over Austria-Hungary, and 30·0 ins. and less over Norway and the northern part of the North Sea. Lowest, 29·3 ins. and less in a disturbance lying to the northward of Russia, and 29·9 ins. and less in a shallow depression over Greece and Asia Minor. No great change beyond the appearance of small cyclonic systems over the Riviera and the south of Spain.

Tuesday, 11th July, 1905.

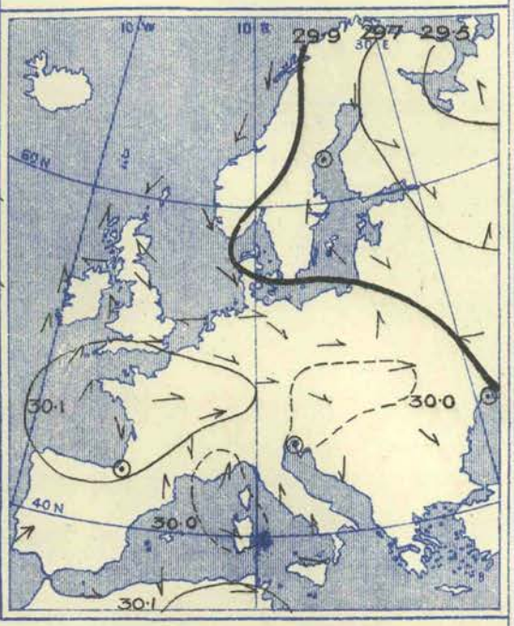
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the southern European countries and also in Sweden, cloudy or dull in most other places, with rain in the south of Ireland, as well as at Bodö. Fog or mist reported from many British coast stations and the north of France. Slight rain later over our northern and western districts, and also in some parts of Scandinavia and Germany.

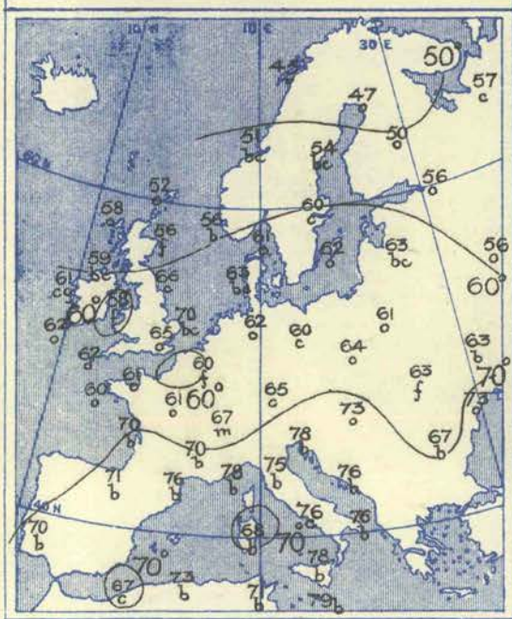
Temperature changing very little. Morning readings highest, 81° at Palma, 80° at Barcelona, 79° at San Fernando, 78° at Palermo and Malta, above 70° over all the southern regions, and above 60° as far north as Karlstad. Highest in our Islands, 68° at Shields. Lowest, 46° at Bodö, 47° at Haparanda, 50° at Archangel and Kuopio, and 52° at Sumburgh Head. Highest maxima in our Islands, 79° at Leith, Skegness and Nottingham. Not touching 80° in Germany, but exceeding that value over the greater part of France and the southern regions, rising to 90° or slightly above over the Riviera and southern Italy. Highest recorded, 97° at Biskra.

Wind mainly light from the South-Westward or Southward over our Islands and the north of France, North-Westerly over Russia and the Baltic, variable but chiefly Easterly elsewhere. No change of importance later.

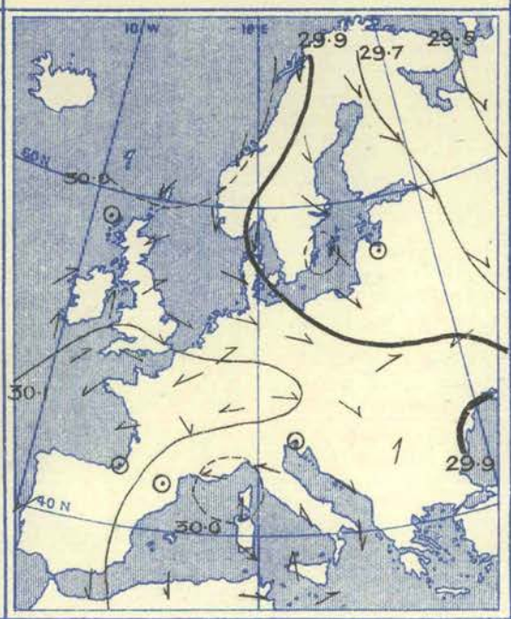
Barometer highest, 30·2 ins. and upwards over central and western France, and 30·1 ins. and upwards in two anticyclonic areas lying over the west of Norway and the southern shores of the Mediterranean. Lowest, 29·3 ins. and less over the White Sea, and 29·8 ins. and less in a shallow system near the Black Sea. High pressure over France decreasing somewhat later, and northern anticyclone disappearing.

Wednesday, 12th July, 1905.

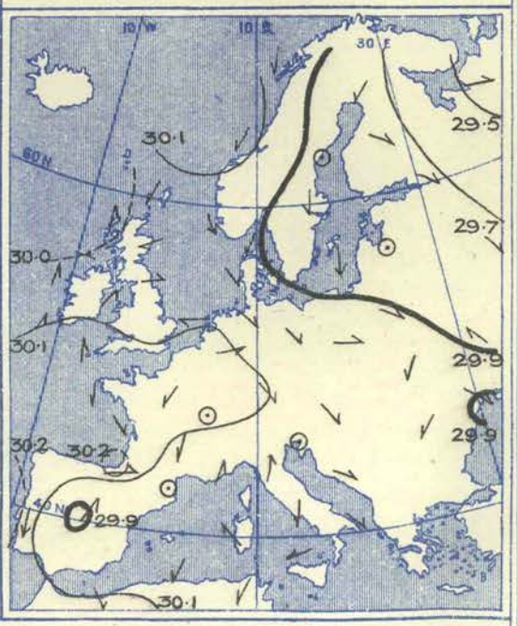
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the southern European countries, as well as on the eastern shores of the North Sea, rather cloudy in most other places, with rain at Donaghadee, and fog at many coast stations of the United Kingdom, and also in the north-west of France. Rain later in Scotland and the north of England, but beyond a few local falls over Austria, remaining very dry over the Continent.

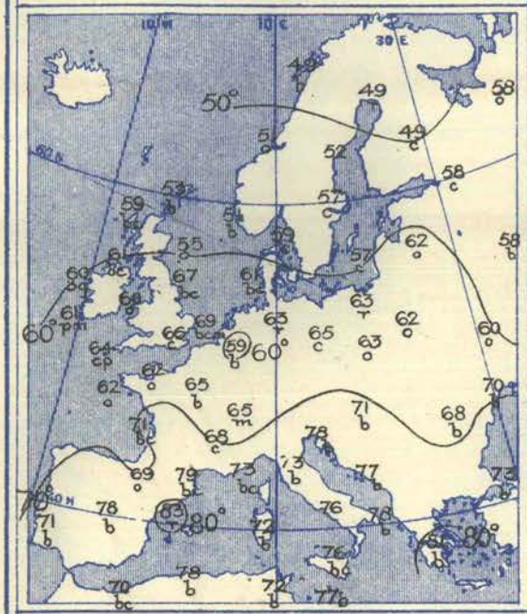
Temperature changing very little. Morning readings highest, 79° at Malta, 78° at Cagliari, 77° at Cape Sicié, and 76° at several stations on the shores of the Adriatic. Highest in our Islands, 71° at Clacton-on-Sea, and 70° at Yarmouth. Lowest, 45° at Bodö, 47° at Haparanda, and slightly above 50° in many parts of northern Europe. Rising subsequently to 79° at Nottingham, Scarborough and Lowestoft, and 78° at Skegness and Yarmouth. Higher values reported from the Continent, the thermometer rising to 88° at Lyons and Nice, 90° at several Mediterranean stations, touching 98° at Aumale, 97° at Biskra, and 102° at Madrid.

Wind light from the Westward over Ireland and England, calm or light Easterly in Scotland, Northerly to North-Westerly over Scandinavia and the greater part of Russia, variable over the central countries. A faint cyclonic circulation shown over the central part of the Mediterranean. Becoming cyclonic over the Spanish Peninsula later. No material change elsewhere.

Barometer 30·1 ins. and upwards in two high pressure systems—one lying over the west of Norway and the northern part of the North Sea, the other covering the southern counties of England, France, the west of Germany, and the Spanish Peninsula. Lowest, 29·5 ins. and less to the northward of Russia and 30·0 ins. and less over the Gulf of Lions. Well marked disturbance appearing over central Spain later. Scarcely any change in the positions of the anticyclones.

Thursday, 13th July, 1905.

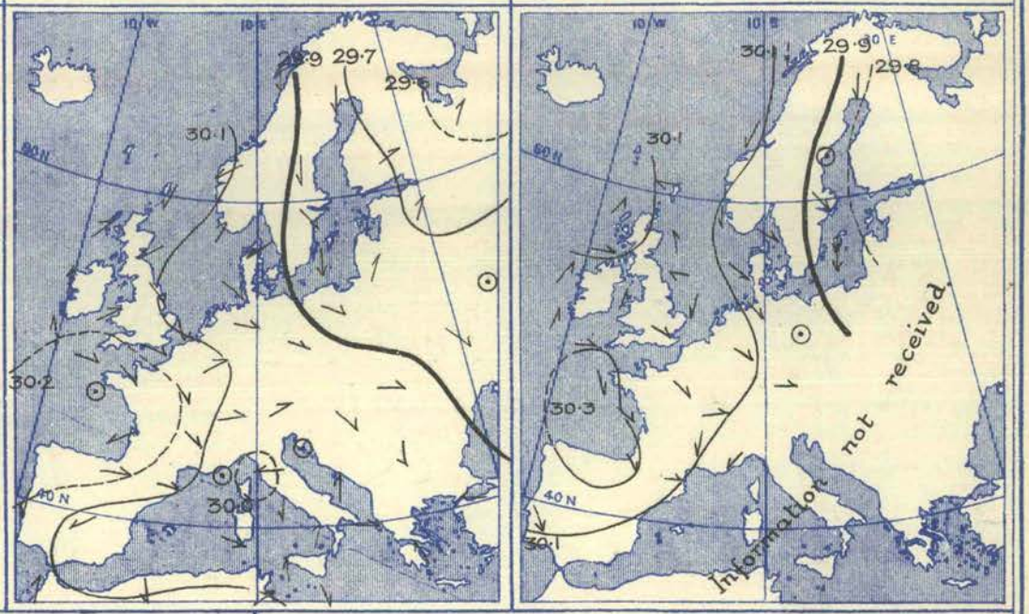
Temperature and Weather. 8 a.m.



Weather in morning cloudy or dull at several western and northern stations and also over northern Europe, with rain at Haparanda and Valencia, and passing showers at Scilly, rain also falling locally at Cuxhaven, remaining fine elsewhere, but fog reported from Pembroke. Slight rain later at a few extreme western and north-western stations, and also in some parts of Scandinavia and Germany.

Temperature changes still slight and irregular. Morning readings highest, 83° at Barcelona, 81° at Patras, 80° at Leghorn, and 70° or above over southern regions. Still above 60° over Ireland, England, and the central countries. Lowest, 41° at Uleaborg, 49° at Knopio, Haparanda, and Bodö, 51° at Christiansund, and 53° at Sumburgh Head. Rising during day to 79° at Nottingham and 80° at Oxford, exceeding 80° in many parts of France and Germany, and touching 92° at Perpignan.

Barometer and Wind. 8 a.m. and 6 p.m.

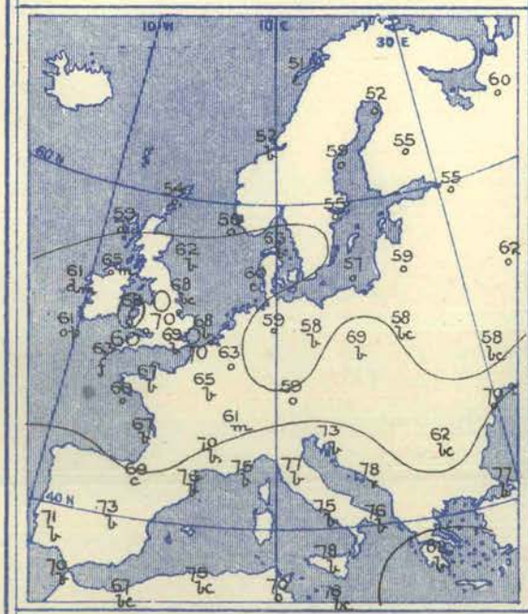


Wind light and anticyclonic over the southern counties of England, France, and the north of Spain, light to fresh from the Southward on the Atlantic coasts of Ireland and Scotland, and mainly Northerly over Scandinavia and the Baltic, light and very variable elsewhere Increasing to the force of a fresh gale at Wisby later. No other change of importance.

Barometer 30·2 ins. and upwards in an anticyclone over the south of England, the greater part of France, Portugal, and the north of Spain. Lowest, 29·6 ins. and less in a disturbance over the White Sea, 29·7 ins. and less in a small system over the Gulf of Riga, 29·9 ins. and less over the Gulf of Genoa, and 30·1 ins. and less in a shallow depression lying off the west of Scotland and north-west of Ireland. Anticyclone spreading northwards later, and barometer rising slowly generally.

Friday, 14th July, 1905.

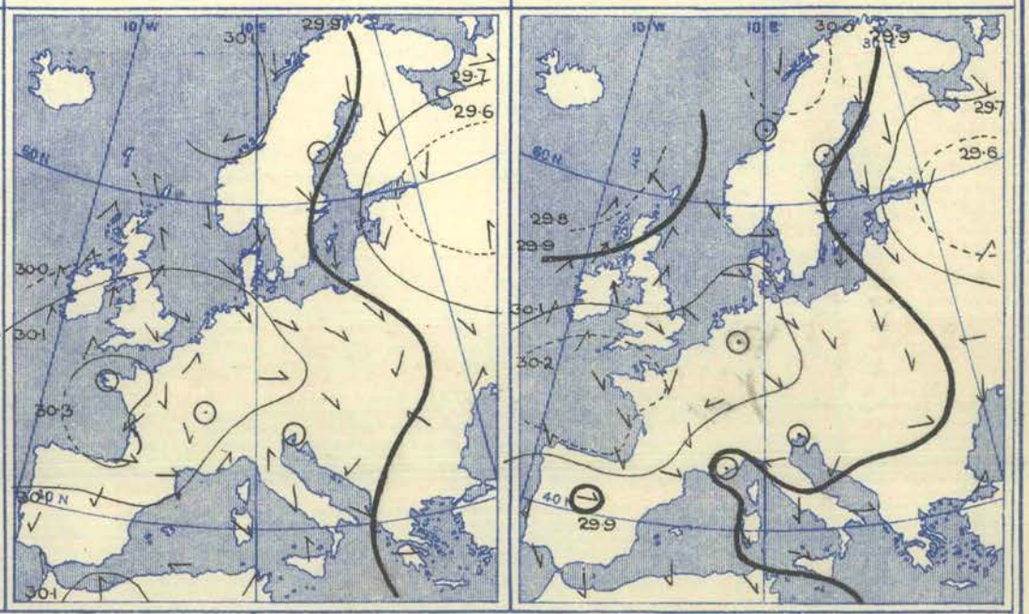
Temperature and Weather. 8 a.m.



Weather in morning fine and bright over the greater part of England, France, Germany, and the southern European stations, cloudy or dull elsewhere, with rain in some parts of Austria and showers in the extreme west; fog at Holyhead and Scilly. Rain over the western and northern districts of the United Kingdom, as well as at many Russian stations, and locally at Rome, where 0·67 in. was measured.

Temperature risen a little in most places. Morning readings highest, 84° at Patras, 83° at Athens and Barcelona, and 78° at Palermo. Highest in our Islands, 69° in London and 71° at Liverpool and Clacton-on-Sea. Lowest, 51° at Bodö, 52° at Haparanda and Christiansund, and 54° at Uleaborg and Sumburgh Head. Rising subsequently to 80° or slightly above at many English stations, to considerably above 80° over France, Italy, and Spain, and reaching 90° at several of the Mediterranean stations. Highest maxima recorded, 95° at Sfax and 102° at Madrid.

Barometer and Wind. 8 a.m. and 6 p.m.

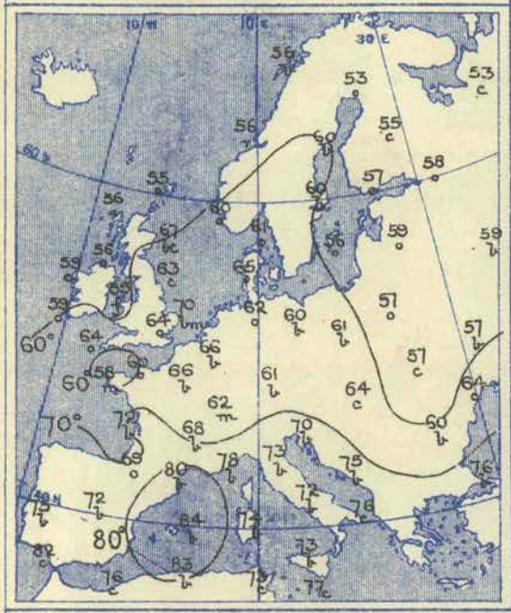


Wind fresh from the Southward or South-Westward in Ireland and the west of Scotland, Westerly to North-Westerly over England, Northerly over Scandinavia and Russia, blowing strongly at Wisby, light and variable in all the southern countries. Becoming more Westerly on our western coasts. Very little change on the Continent.

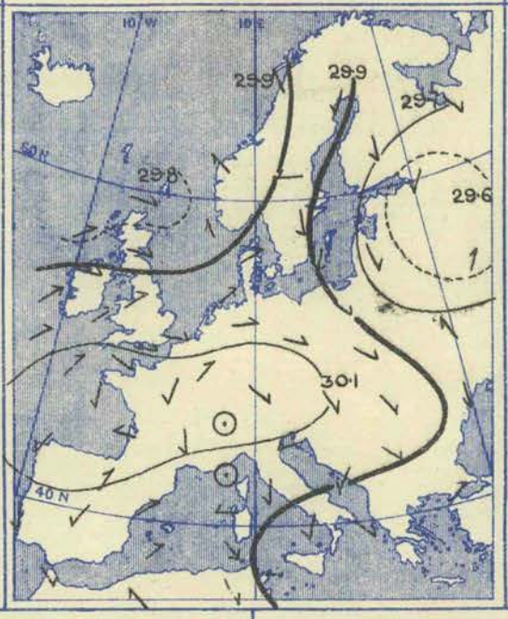
Barometer highest, 30·3 ins. and upwards in the central area of an anticyclone lying over the west of France and the Bay of Biscay and 30·1 ins. and upwards in another high pressure off the north-west coast of Norway. Lowest, 29·6 ins. and less in a disturbance over central and western Russia, and 30·0 ins. and less in a shallow system off our extreme north-western coasts. Russian depression remaining almost stationary during day, western disturbance travelling away to the north-eastwards, and small cyclonic system appearing over central Spain.

Saturday, 15th July, 1905.

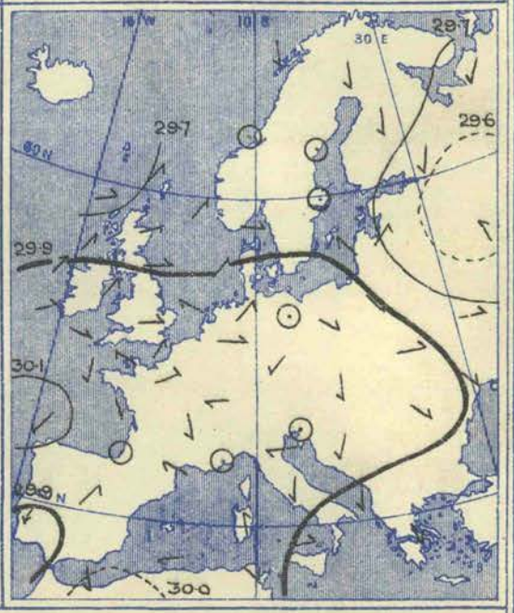
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in eastern parts of England and Scotland, and also on Continent generally; cloudy or dull on our west and north-west coasts, as well as in the west of Norway, with rain at Christiansund. Fog again prevailing in the Irish Sea and at several stations on the French side of the English Channel. Rain later over Ireland, Scotland, and the west of Norway, but no large amounts measured.

Temperature fallen somewhat over our Islands, not changed much on the Continent. Morning readings highest, 84° at Barcelona and Palma, 83° at Algiers, 82° at Cape Sicie and San Fernando and 80° at Perpignan, above 70° over all the southern regions, and above 60° over England, France, and Germany. Lowest, 53° at Haparanda and Archangel, 55° at Ulcaborg, Kuopio, and Sumburgh Head, 56° at Stornoway. Rising during day to considerably above 76° over England, to 80° and more over the central regions, reaching 90° at Nice and Oran, 95° at Cette and Croisette, 99° at Patras, and 102° at Madrid.

Wind moderate or light from the Westward over the British Islands and the northern part of France and Germany, Easterly over the Bay of Biscay and at most of the Mediterranean stations, cyclonic over Russia and the Baltic, and light from South-East in Norway. No material change later.

Barometer highest, 29·1 ins. and upwards in an anticyclone covering France, the southern counties of England, the Netherlands, and the greater part of Germany. Lowest, 29·6 ins. and less in a well defined disturbance over western Russia, and 29·8 ins. and less in a shallow depression off the north of Scotland. High pressure area giving way somewhat later. No change of importance elsewhere.

IV.—GENERAL NOTES, etc.

The period was remarkable for the singularly slight modifications which occurred in the general distribution of pressure over Europe and North Africa. An anticyclone of moderate intensity had its central space over or near the Bay of Biscay, its influence extending to the southern parts of our Islands and the central parts of the Continent. Another, of somewhat less intensity, was found most of the week on the Norwegian coast. The principal depression covered practically the whole of Russia, the barometer being as low as 29·25 ins. in the White Sea district at the commencement of the period, but towards the close the system was filling up slowly. Pressure was, as a rule, relatively low along the Mediterranean, and also over the north-western and northern parts of our Islands, a well-marked depression being indicated outside our coasts towards the end of the week. Under the influence of so many systems the winds were very variable in direction, but the gradients being usually slight light to moderate breezes prevailed nearly everywhere. In isolated situations at home and abroad there were, however, strong winds experienced at times, a fresh Westerly gale at Christiansund and a strong Westerly gale at Riga on Sunday, and a fresh Northerly gale at Wisby on Monday, Thursday and Friday. The weather in our own western and northern districts was of a changeable character, but the rainfall was not heavy. Over the rest of the country it was more settled, and in the Continental countries it was mostly fine. Fog was rather prevalent on various sections of our own and the Continental coasts. Temperatures as high as 80° to 86° were recorded in many parts of the British Isles, but many foreign stations exceeded 90°, Madrid touched 102° on four successive days, San Fernando had a maximum of 108°, and Biskra 109°

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 164.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	21·3	−11·3	17	− 10
STRATHPEFFER SPA	36·7	+ 7·1	30	+ 6
CRATHES	35·1	—	29	—
BALRUDDERY	42·5	—	36	—
EDINBURGH	34·6	+ 1·8	29	+ 2
COCKLE PARK	50·8	—	43	—
NEWCASTLE-on-TYNE	41·1	—	35	—
SALTBURN-by-the-SEA	54·6	—	47	—
YORK	58·6	+19·2	51	+ 17
SKEGNESS	52·4	—	46	—
CROMER	69·8	—	61	—
LOWESTOFT	73·8	—	65	—
DUNMOW	60·0	—	53	—
SHEFFIELD	63·5	—	55	—
WORKSOP	52·3	+ 14·9	46	+ 13
MARGATE	54·6	+ 9·2	49	+ 8
BROADSTAIRS	61·9	—	55	—
RAMSGATE	61·7	—	55	—
EASTBOURNE	58·7	+ 6·1	53	+ 6
BRIGHTON	49·3	− 2·7	44	− 2
WORTHING	54·5	—	49	—
BOGNOR	57·3	—	52	—
VENTNOR HOSPITAL	41·9	− 6·3	38	− 6
BOURNEMOUTH	55·0	—	50	—
MARLBOROUGH	34·9	− 7·7	31	− 7
SOUTHPORT	47·0	—	41	—
RHYL	54·4	—	48	—
ABERDOVEY	22·9	—	20	—
TENBY	26·5	− 20·9	24	− 19
TORQUAY	46·9	− 2·9	42	− 3
NEWQUAY	26·4	− 22·2	24	− 29
GUERNSEY	40·5	− 16·8	37	− 15

Reports received too late for insertion in their proper places.

TWENTY-EIGHTH YEAR. VOLUME XXII (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 26, page 156	Broadstairs	—	—	—	—	—	—	—	—	—	—	—	35·9	—	32	—
„ 27, „ 158	Clathick	77	43	70·0	49·2	58·9	+ 1·6	118	0	2	0·05	−0·62	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 29. TWENTY-NINTH WEEK, ENDING SATURDAY, JULY 22ND, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 170.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	76	38	61·4	50·2	55·4	1 above	94	+7	0	0	1046	+51	476	-80
	1. SCOTLAND, EAST	80	39	68·6	51·8	59·6	3 above	123	+19	0	0	1258	+42	505	-100
	2. ENGLAND, N.E.	81	41	71·0	54·2	62·1	3 above	141	+25	0	0	1466	+178	374	-124
	3. ENGLAND, EAST	82	45	74·1	54·6	63·7	3 above	152	+24	0	0	1649	+125	349	-193
	4. MIDLAND COUNTIES	82	44	73·4	53·3	62·7	3 above	145	+20	0	0	1630	+83	394	-157
	5. ENGLAND, SOUTH	83	44	73·3	54·6	63·3	2 above	149	+13	0	0	1682*	+11	268	-135
Principal Grazing Districts.	6. SCOTLAND, WEST	75	41	66·9	53·9	60·0	3 above	126	+20	0	0	1411	+112	313	-112
	7. ENGLAND, N.W.	79	42	68·1	54·5	60·8	2 above	132	+15	0	0	1496*	+94	273	-131
	8. ENGLAND, S.W.	82	39	70·5	54·0	61·7	2 above	138	+15	0	0	1625	+43	222	-85
	9. IRELAND, NORTH	72	45	65·0	54·5	59·4	2 above	122	+14	0	0	1470	+72	271	-81
	10. IRELAND SOUTH	77	51	68·5	57·8	62·8	4 above	146	+28	0	0	1767	+150	166	-92
	— CHANNEL ISLANDS	78	54	69·9	57·4	63·2	2 above	148	+13	0	0	1886	+96	55	-65

Rainfall.

	DISTRICTS. (See p. 170.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	9	1 more	147	+26	25·9	+3·8
	1. SCOTLAND, EAST	4	6	1 less	111	+7	12·7	-2·7
	2. ENGLAND, N.E.	2	4	2 less	84	-12	8·0	-4·3
	3. ENGLAND, EAST	2	2	4 less	94	-4	10·6	-1·3
	4. MIDLAND COUNTIES	2	1	5 less	93	0	10·7	-3·2
	5. ENGLAND, SOUTH	2	2	4 less	93	+2	13·4	-0·2
Principal Grazing Districts.	6. SCOTLAND, WEST	4	9	1 more	113	+5	22·5	-1·9
	7. ENGLAND, N.W.	3	6	1 less	101	+1	14·7	-1·5
	8. ENGLAND, S.W.	2	2	5 less	102	+1	16·3	-2·1
	9. IRELAND, NORTH	5	8	1 more	126	+3	17·6	-0·2
	10. IRELAND, SOUTH	4	2	5 less	116	+6	17·5	-2·9
	— CHANNEL ISLANDS	2	less than half	5 less	110	+5	14·1	-1·4

Bright Sunshine.

	DISTRICTS. (See p. 170.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	23	-5	20	-4	738	+3	27	0
	1. SCOTLAND, EAST	38	+1	33	+1	867	+10	32	0
	2. ENGLAND, N.E.	47	+4	41	+3	944	+52	36	+2
	3. ENGLAND, EAST	61	+16	55	+14	1060	+79	40	+3
	4. MIDLAND COUNTIES	53	+11	47	+10	910	+39	35	+2
	5. ENGLAND, SOUTH	63	+15	57	+14	1008*	+34	38	+1
Principal Grazing Districts.	6. SCOTLAND, WEST	36	-4	31	-3	963	+80	36	+3
	7. ENGLAND, N.W.	47	+9	42	+8	969	+160	37	+6
	8. ENGLAND, S.W.	57	+10	51	+10	956	-47	36	-2
	9. IRELAND, NORTH	15	-15	13	-13	948	+140	36	+5
	10. IRELAND, SOUTH	13	-21	12	-19	900	-8	34	0
	— CHANNEL ISLANDS	63	+9	58	+8	1074	-83	41	-3

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was generally fine and dry over England, but slight falls of rain were rather frequent in Scotland and Ireland. Thunder was heard at a few Scotch stations during the earlier half of the week.

Temperature continued above the mean, the excess ranging from 1° in Scotland N. to 4° in Ireland S. The highest of the maxima occurred, with few exceptions, either on the 21st or 22nd. In England S. the thermometer rose to 83°, and in several other English districts to 82°, but in Ireland N. and Scotland W. the respective values were 72° and 75°. The lowest of the minima were recorded mostly on the 19th, and varied from 38° in Scotland N. and 39° in Scotland E. and England S.W. to 51° in Ireland S. and to 54° in the Channel Islands.

Rainfall was slightly in excess in Scotland N. and W. and Ireland N., but was again less than the mean in all other districts. In some parts of central England the week was almost rainless.

Bright Sunshine exceeded the mean over England, the Channel Islands, and Scotland E., but was deficient elsewhere. The percentage of the possible duration ranged from 58 in the Channel Islands, 57 in England S., and 55 in England E., to 20 in Scotland N. and to only 13 and 12 respectively in Ireland N. and S.

Barometer and Wind. All the more southern parts of our Islands were under the influence of an anticyclone, whose centre lay, as a rule, over the Bay of Biscay, but sometimes approached our own southern coasts. The northern and north-western districts, however, were mostly affected by depressions from the Atlantic, which were shallow and often ill-defined, and had little effect on the force of the wind, which generally blew from some point between South-West and West or North-West.

3869 Wy. & S. Ltd.
370 7 | 05

II.—DATA from which the SUMMARY on page 169 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
July 16-22, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
	Sumburgh Head	60	47	57·0	49·6	53·0	+ 0·3	77	0	7	1·27	+ 0·73	*	*	*	*
	Stornoway	64	44	60·7	50·3	55·1	+ 0·2	92	0	6	0·85	+ 0·17	24·2	- 7·2	20	- 6
O. SCOTLAND, N.	Wick	66	49	61·3	50·9	55·7	+ 0·5	96	0	6	0·98	+ 0·42	*	*	*	*
	Lairg Ⓢ	76	39	64·8	49·2	56·5	+ 1·7	102	0	6	0·95	+ 0·27	*	*	*	*
	Glencarron Ⓢ	63	40	59·2	50·1	54·3	- 0·5	86	0	6	0·84	- 0·54	*	*	*	*
	Fort Augustus Ⓢ	70	38	65·4	51·3	57·9	+ 1·2	111	0	3	0·47	- 0·25	20·6	- 0·7	18	- 1
	Nairn	74	40	66·6	50·6	58·0	+ 1·0	112	0	4	0·52	- 0·09	*	*	*	*
	Aberdeen	74	47	65·6	51·0	57·8	+ 0·7	111	0	4	0·67	+ 0·02	29·7	- 7·6	25	- 6
1. SCOTLAND, E.	Braemar Ⓢ	72	39	65·1	49·7	56·9	+ 2·5	104	0	4	0·54	- 0·12	*	*	*	*
	Clathick Ⓢ	80	41	72·2	51·7	61·2	+ 3·1	134	0	3	0·65	- 0·06	*	*	*	*
	Leith	80	46	73·0	55·4	63·6	+ 5·0	151	0	4	0·42	- 0·19	*	*	*	*
	Marchmont Ⓢ	77	46	68·9	52·3	60·0	+ 3·2	126	0	2	0·54	- 0·23	41·9	+ 3·5	36	+ 3
	Alnwick Castle	75	42	70·7	53·7	61·6	+ 4·1	137	0	3	0·39	- 0·24	*	*	*	*
	Durham	77	41	70·1	51·3	60·1	+ 1·1	127	0	1	0·47	- 0·16	38·2	+ 0·8	34	+ 1
	Shields	77	47	69·4	55·1	61·8	+ 3·8	139	0	3	0·33	- 0·24	*	*	*	*
2. ENGLAND, N.E	Scarborough Ⓜ	73	†51	69·2	55·5	61·9	+ 2·7	139	0	1	0·13	- 0·47	43·1	—	38	—
	Spurn Head	74	54	68·6	57·6	62·7	+ 2·3	145	0	2	0·59	+ 0·23	*	*	*	*
	Lincoln	80	49	73·9	53·5	63·0	+ 2·8	147	0	2	0·32	- 0·20	*	*	*	*
	Fulbeck (Lincolnshire)	81	48	75·3	52·9	63·3	+ 3·0	149	0	3	0·29	- 0·24	61·8	—	55	—
	Hillington Ⓜ	81	45	76·0	52·0	63·2	+ 2·3	148	0	3	0·32	- 0·32	60·6	+ 16·2	54	+ 15
	Yarmouth	79	52	69·7	57·1	63·0	+ 2·5	147	0	3	0·34	- 0·26	*	*	*	*
	Geldeston	81	46	74·5	53·4	63·2	+ 2·6	148	0	3	0·27	- 0·29	60·6	+ 13·4	54	+ 12
3. ENGLAND, E.	Cambridge	80	45	75·6	52·8	63·4	+ 1·6	150	0	1	0·08	- 0·46	63·5	+ 17·6	57	+ 16
	Felixstowe	81	54	74·4	57·6	65·4	+ 4·2	164	0	1	0·13	—	60·9	—	55	—
	Clacton-on-Sea	82	47	74·7	55·7	64·5	+ 3·8	158	0	1	0·09	—	55·6	—	50	—
	Rothamsted	79	47	73·1	52·0	61·8	+ 1·4	139	0	3	0·07	- 0·49	63·2	+ 15·7	57	+ 14
	Shoeburyness	81	50	75·0	56·4	65·1	+ 3·8	162	0	2	0·13	- 0·31	*	*	*	*
	Harrogate	78	45	70·9	52·7	61·2	+ 3·1	134	0	2	0·55	- 0·07	52·9	—	47	—
	Bawtry (Hesley Hall)	77	44	73·9	52·1	62·2	+ 1·8	141	0	2	0·26	- 0·31	*	*	*	*
	Nottingham	82	46	75·1	54·3	64·0	+ 3·0	154	0	0	0·00	- 0·57	56·5	—	50	—
	Colly Weston (Stamford)	82	49	75·9	55·4	64·9	+ 3·5	160	0	2	0·06	- 0·49	*	*	*	*
	Cheadle Ⓜ	76	49	69·8	53·7	61·2	+ 3·1	134	0	2	0·13	- 0·54	*	*	*	*
4. MIDLAND COUNTIES	Birmingham (Edgbaston)	80	50	72·8	54·8	63·2	+ 3·4	148	0	2	0·05	- 0·55	48·6	—	43	—
	Shrewsbury	81	45	73·3	52·9	62·4	+ 2·9	143	0	2	0·08	—	*	*	*	*
	Hereford Ⓜ	79	45	73·8	51·5	61·9	+ 1·3	139	0	2	0·07	- 0·44	*	*	*	*
	Cirencester	80	46	73·8	51·1	61·7	+ 2·0	138	0	1	0·06	- 0·58	59·5	+ 15·1	54	+ 14
	Oxford	81	47	74·6	54·6	63·9	+ 2·6	153	0	1	0·01	- 0·53	60·3	+ 15·1	54	+ 14
	Westminster	79	52	74·7	56·3	64·9	+ 2·6	160	0	3	0·16	—	54·4	+ 14·0	49	+ 13
	London (Brixton)	82	51	76·3	55·6	65·2	+ 2·4	162	0	2	0·23	- 0·29	56·6‡	+ 14·6‡	51‡	+ 13‡
	Wisley (Surrey)	82	48	75·2	54·1	63·9	+ 1·3	153	0	2	0·30	—	62·2	—	57	—
	Swarraton (Alresford) Ⓜ	79	44	74·1	49·6	61·0	+ 1·3	133	0	4	0·34	- 0·23	*	*	*	*
	Tunbridge Wells Ⓜ	81	49	75·0	53·3	63·4	+ 2·5	150	0	2	0·09	—	67·9	—	62	—
5. ENGLAND, S.	Dungeness	72	50	69·3	54·9	61·6	+ 0·2	137	0	2	0·05	- 0·31	58·8	—	53	—
	Hastings (St. Leonards)	77	53	72·0	56·4	63·7	+ 2·6	152	0	1	0·07	- 0·42	69·2	+ 16·9	63	+ 15
	Southampton	83	52	77·5	55·7	65·8	+ 3·6	167	0	2	0·17	- 0·40	61·0	+ 11·7	56	+ 11
	Portland Bill	72	55	67·6	57·1	62·0	+ 2·3	140	0	2	0·07	—	*	*	*	*
	Shaftesbury Ⓜ	78	50	72·6	54·6	63·0	+ 3·9	147	0	1	0·12	- 0·53	*	*	*	*
	Laudale (Loch Sunart)	69	45	65·5	53·5	59·1	+ 1·9	120	0	5	0·87	- 0·30	*	*	*	*
	Glasgow	70	49	66·4	55·3	60·5	+ 3·0	130	0	5	0·93	+ 0·17	34·4	+ 2·3	30	+ 2
6. SCOTLAND, W.	Cally Ⓢ	75	41	69·9	51·0	59·8	+ 2·6	125	0	5	1·19	+ 0·31	*	*	*	*
	Aspatria	72	48	66·9	54·9	60·5	+ 2·5	130	0	2	0·82	—	37·9	—	33	—
	Douglas (Isle of Man)	70	48	65·8	55·0	60·0	+ 2·7	126	0	3	0·86	+ 0·18	34·9	- 9·5	31	- 8
	Newton Rigg	74	42	69·8	52·7	60·7	+ 2·9	131	0	4	0·51	—	41·0	—	36	—
	Stonyhurst	72	49	66·8	54·1	60·0	+ 1·6	126	0	3	1·80	+ 0·84	45·3	+ 5·7	40	+ 5
	Blackpool Ⓜ	67	49	65·9	54·6	59·9	+ 0·3	125	0	3	0·68	0·00	49·2	+ 8·5	44	+ 8
	Manchester (Prestwich)	78	48	70·4	54·2	61·7	+ 2·9	138	0	2	0·73	- 0·07	42·3	—	37	—
7. ENGLAND, N.W.	Liverpool Obsy. (Bidston)	73	53	67·0	56·9	61·6	+ 1·6	137	0	2	0·40	- 0·23	56·3	—	50	—
	Chester (Hawarden Bridge)	75	49	69·6	54·4	61·5	+ 1·5	137	0	2	0·16	—	*	*	*	*
	Llandudno Ⓜ	75	49	69·4	56·3	62·4	+ 2·3	143	0	3	0·27	- 0·29	53·9	+ 13·5	48	+ 12
	Holyhead	69	51	64·6	55·0	59·5	+ 0·8	123	0	3	0·20	- 0·36	*	*	*	*
	Bettws-y-Coed	79	47	69·4	52·0	60·1	+ 0·5	127	0	3	0·25	—	44·5	—	40	—
	Llangammarch Wells	75	39	69·3	47·3	57·5	- 0·9	109	0	2	0·16	—	45·1	—	40	—
	Pembroke	67	52	63·9	55·4	59·4	+ 0·7	122	0	1	0·18	- 0·37	51·0	+ 5·0	46	+ 5
	Cardiff	76	47	72·3	51·8	61·3	+ 0·3	135	0	2	0·09	—	*	*	*	*
	Clifton	78	52	73·0	57·8	64·9	+ 4·0	160	0	1	0·15	- 0·52	*	*	*	*
8. ENGLAND, S.W.	Bath	79	47	73·3	54·3	63·1	+ 1·6	148	0	1	0·17	- 0·41	64·7	—	58	—
	Arlington (N. Devon)	72	49	68·9	53·7	60·8	+ 2·0	132	0	3	0·45	- 0·54	*	*	*	*
	Cullompton Ⓜ	82	47	74·5	52·2	62·6	+ 1·5	144	0	2	0·10	- 0·54	50·9	+ 8·9	46	+ 8
	Falmouth	72	57	69·3	57·8	63·2	+ 3·0	148	0	1	0·03	- 0·65	63·3	+ 12·3	58	+ 11
	Plymouth	74	51	69·7	55·7	62·2	+ 0·9	141	0	2	0·05	- 0·55	56·4	+ 9·6	52	+ 9
	Malin Head	65	48	62·1	51·7	56·5	- 0·7	102	0	6	0·55	- 0·12	*	*	*	*
	Edenfel (Omagh)	71	45	65·6	54·6	59·7	+ 3·0	124	0	5	0·92	+ 0·16	*	*	*	*
9. IRELAND, N.	Blacksod Point	67	54	63·0	56·3	59·4	+ 1·4	122	0	7	1·41	+ 0·73	*	*	*	*
	Markree Castle	72	47	66·8	55·5	60·8	+ 3·0	132	0	5	0·79	- 0·04	11·8	- 16·9	10	- 15
	Armagh	70	46	66·3	54·7	60·1	+ 2·3	127	0	5	0·64	- 0·08	17·8	- 13·6	16	- 12
	Donaghadee	69	47	66·3	54·3	59·9	+ 2·6	125	0	4	0·38	- 0·27	*	*	*	*
	Dublin	74	51	70·4	58·1	63·8	+ 3·7	153	0	4	0·22	- 0·36	15·3	- 22·0	14	- 20
	Birr Castle	72	54	67·6	57·6	62·3	+ 3·8	142	0	5	0·22	- 0·45	14·1	- 17·1	13	- 15
	Kilkenny	77	53	70·3	58·0	63·7	+ 4·7	152	0	3	0·15	- 0·44	*	*	*	*
10. IRELAND, S.	Waterford	75	54	71·9	57·6	64·3	+ 4·6	156	0	2	0·22	- 0·48	*	*	*	*
	Roche's Point	69	52	66·4	57·0	61·4	+ 1·9	136	0	4	0·21	- 0·47	*	*	*	*
	Valencia	70	55	64·6	58·0	61·1	+ 2·4	134	0	6	0·37	- 0·53	11·5	- 23·0	10	- 21
	Killarney	77	54	71·2	58·1	64·2	+ 5·8	155	0	3	0·08	- 0·72	*	*	*	*
	Foynes	72	54	65·4	57·8	61·3	+ 3·4	135	0	4	0·25	- 0·46	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	69	56	66·9	57·7	62·0	+ 1·5	140	0	3	0·05	- 0·48	49·2	- 0·2	45	0
	Jersey (St. Aubyn's)	78	54	72·9	57·0	64·4	+ 2·0	157	0	1	0·01	- 0·53	69·2	+ 14·1	64	+ 13

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

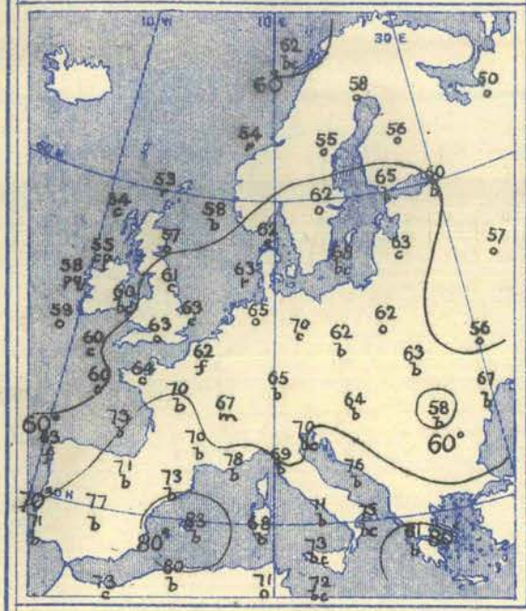
‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 16th July, 1905.

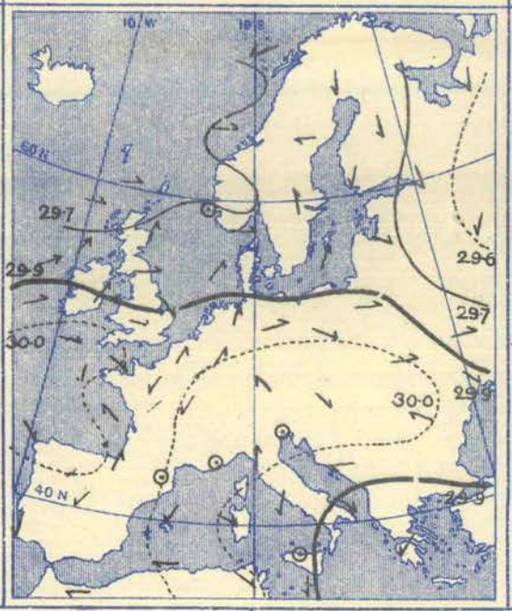
Temperature and Weather.

8 a.m.

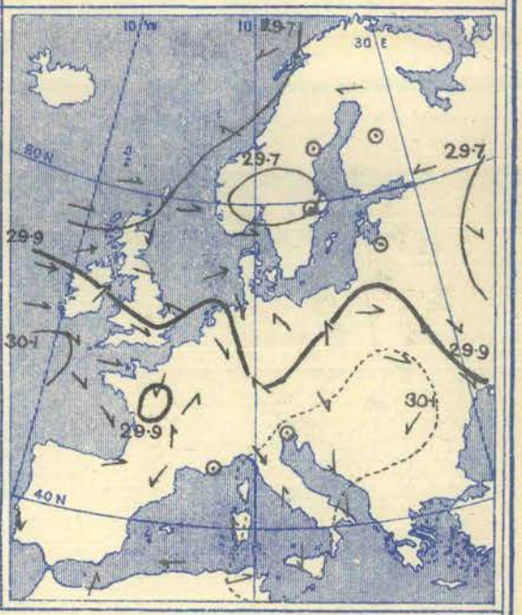


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright at most of the Continental stations, cloudy or dull all over our Islands generally, as well as over the Baltic Provinces, with rain at Christiansund and Sumburgh Head, and passing showers on the north-west coast of Ireland. Rain later at the majority of our western and northern stations, and occasional local showers in the east of England. Local falls also occurring in some parts of France and Italy, and thunderstorms in a few places.

Temperature falling a little over our Islands, risen a little on the Continent. Morning readings highest, (1) 83° at Palma, 81° at Athens, and 80° at Algiers, (2) 72° at Frankfurt, 70° at Berlin and Paris. Lowest, 50° at Archangel, 53° at Sumburgh Head, 54° at Christiansund and Stornoway. Rising during day to 72° at Oxford and Shields and 74° at Birmingham, exceeding 80° over the greater part of the southern and central regions, reaching 93° at Lyons and Nice, and 95° at Sanguinaires, Oran, and Aumale.

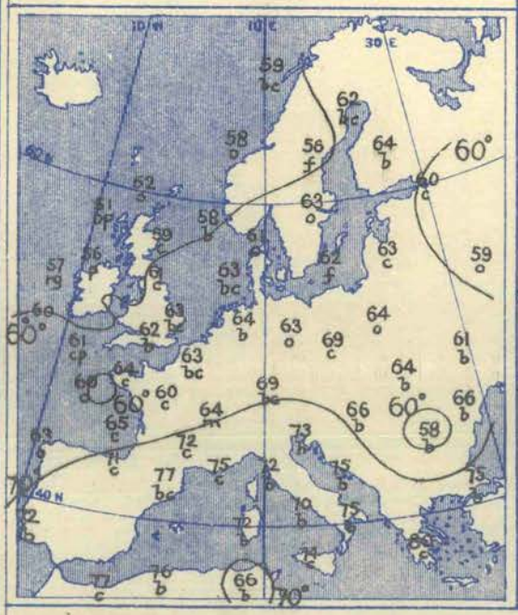
Wind light to fresh from South-West and West over our Islands and the central European countries, light from the Northward in Russia, variable over all the southern parts of the Continent. No material change later.

Barometer highest, 30·0 ins. and upwards in an anticyclone over our south-western coasts, the Bay of Biscay, and the north of Spain. Lowest, 29·6 ins. and less over central Russia, 29·7 ins. and less in a shallow disturbance lying over the north of Scotland and the west of Norway, and 29·9 ins. and less in another shallow system over south-eastern Europe. Distribution becoming more complex later, further low pressure areas appearing over southern Norway and the central parts of France; northern disturbance dispersing.

Monday, 17th July, 1905.

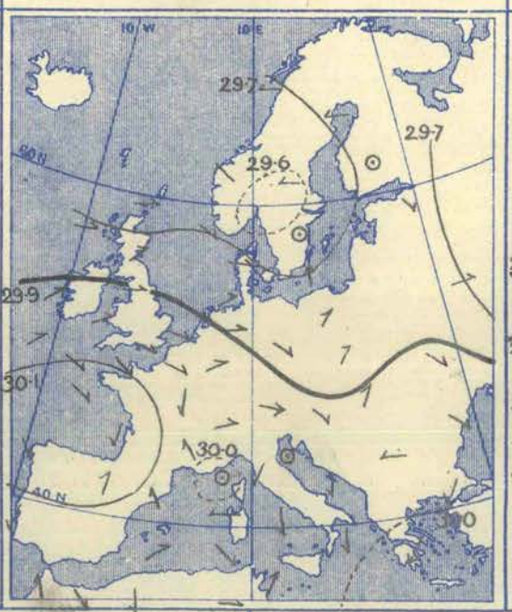
Temperature and Weather.

8 a.m.



Barometer and Wind.

8 a.m.



6 p.m.

Weather in morning fine over England and on the Continent generally, cloudy in Ireland and the west of Scotland, with rain at Blacksod Point, and passing showers at Stornoway and Malin Head. Rain later in all parts of Scotland and Ireland, also in the east of England, and thunderstorms at some of the central and southern French stations—largest amounts measured, 0·52 in. at Blacksod Point, 0·71 in. at Besançon, and 0·87 in. at Clermont.

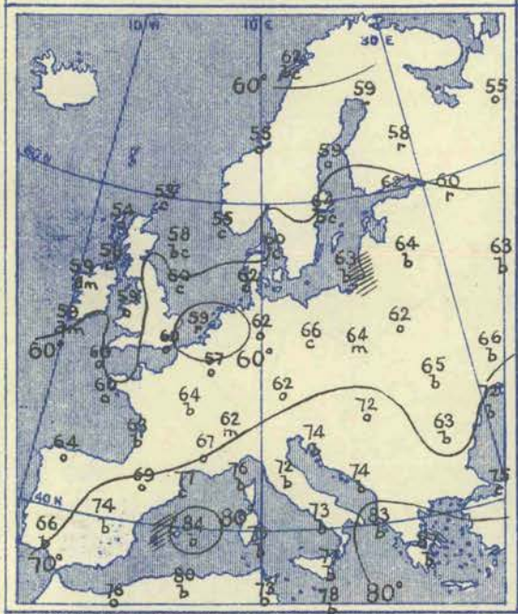
Temperature changed very little over our Islands, fallen at many Continental stations. Morning readings highest, 86° at Palma and 80° at Athens, above 70° over the southern European countries, and above 60° over England and the central regions. Lowest, 51° at Stornoway, 52° at Sumburgh Head, 54° at Nairn, and 56° at Hernösand. Maxima during day as high as 90° at several Algerian stations, 91° at Patras, and 95° at Madrid. Highest over our Islands, 75° at Clacton-on-Sea, not reaching 70° over the greater part of the country, and remaining below 60° in the north of both Scotland and Ireland.

Wind generally Westerly over England, Germany, and the north of France; light cyclonic over Scandinavia, variable over central and eastern Europe. Northerly over the west of France and the Bay of Biscay, mainly North-Easterly over the southern countries. No change of importance later.

Barometer highest, 30·2 ins. and more off the north-west coast of Spain. Lowest, 29·6 ins. and less in a depression over Scandinavia, and 30·0 ins. and less in two shallow systems—one lying over the south of France, the other over Greece and Asia Minor. Anticyclone spreading northwards later, and new shallow disturbance appearing over central Spain.

Tuesday, 18th July, 1905.

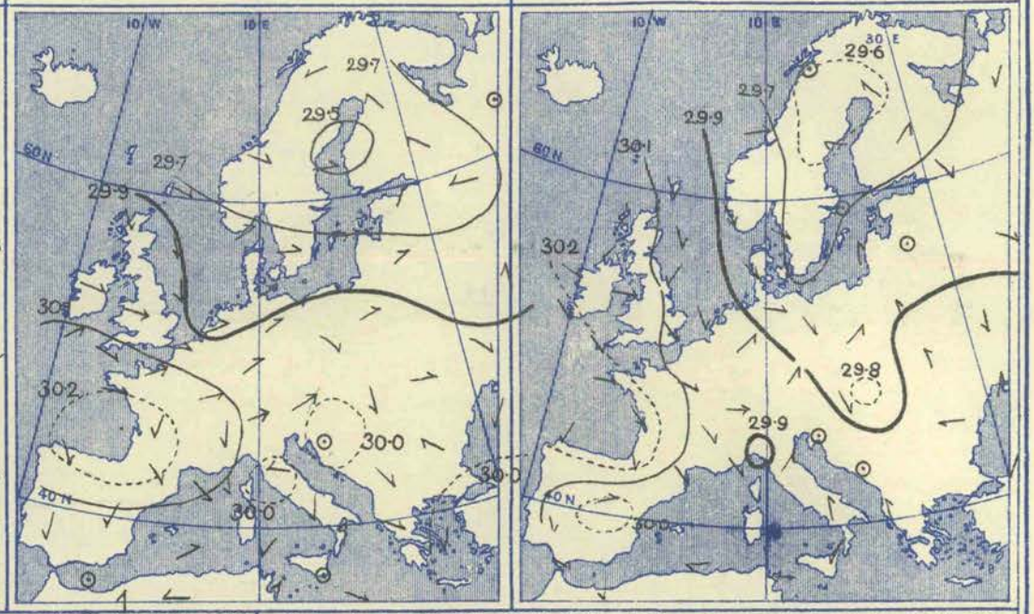
Temperature and Weather. 8 a.m.



Weather in morning fine and bright over the southern European countries, but cloudy or dull in most other places, with rain in the west of Ireland, at Yarmouth, and Clacton-on-Sea, and passing showers at Oxford and Nottingham. Rain also falling in Holland and at several Scandinavian stations. Rain later in parts of Germany, the Netherlands, and Scandinavia, and a thunderstorm at Perpignan, where as much as 1·26 in. was measured. Large amounts also measured at Christiansund and Haparanda, the values being 1·02 in. and 1·58 in. respectively.

Temperature changed little and irregularly. Morning readings highest, 84° at Palma, 83° at Brindisi, 82° at Athens, 81° at Aumale, 80° at Cape Sicié and Patras, above 70° at many of the southern stations, and exceeding 60° over England and the central European countries. 69° at Bodö. Lowest readings, 53° at Sumburgh Head and Wick, 54° at Stornoway, 55° at Christiansund and Skudesnaes. Rising during day to above 80° at most of the Mediterranean stations and some parts of Germany, and reaching 90° at Florence, Patras, and Athens, and 97° at Aumale and Madrid. Highest in our Islands, 74° at Nottingham; at many western and northern stations the maxima but little above 60°.

Barometer and Wind. 8 a.m. and 6 p.m.

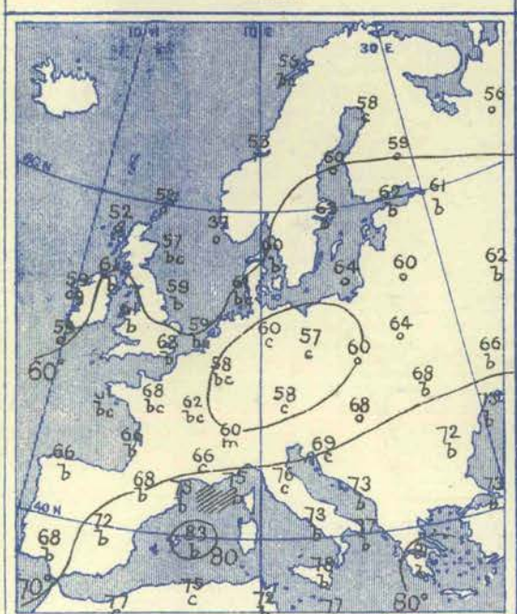


Wind moderate to fresh from North-West and West over our Islands and Scandinavia, light cyclonic over the Baltic and also over the Riviera and Austria. Anticyclonic circulation of light winds reported from the Bay of Biscay and northern Spain, very variable breezes elsewhere. Becoming more Northerly over western Europe later, and faint cyclonic circulation setting in over the Spanish Peninsula.

Barometer highest, 30·2 ins. and upwards in an anticyclone lying over the Bay of Biscay, the west of France, and the north of Spain. Lowest, 29·5 ins. and less in a disturbance over the Baltic and 30·0 ins. and less in two small systems over the Gulf of Genoa and Austria respectively. Northern depression filling up later, and new shallow disturbance appearing over Spain.

Wednesday, 19th July, 1905.

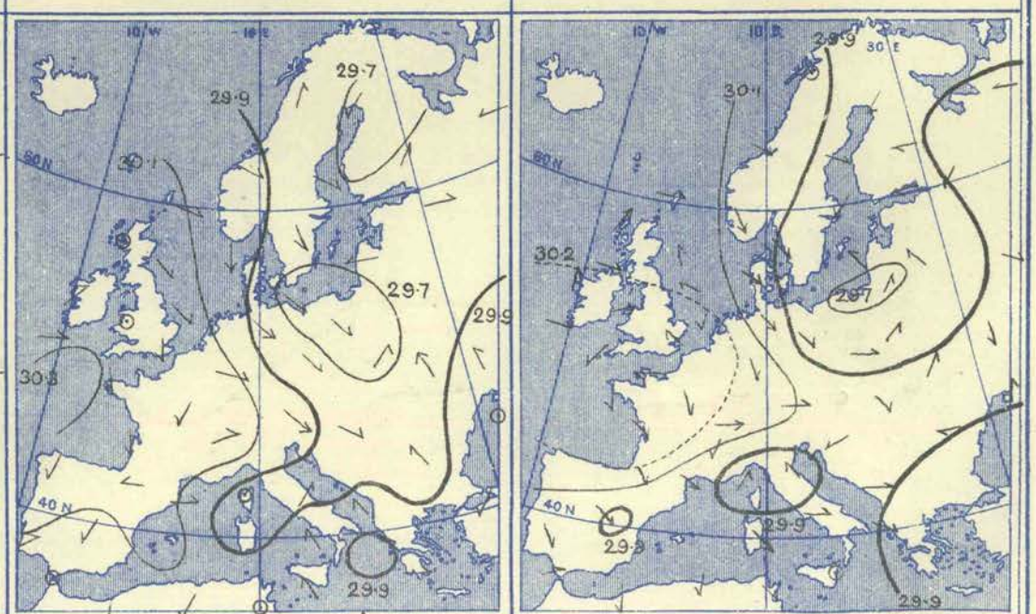
Temperature and Weather. 8 a.m.



Weather in morning dull or cloudy at many northern stations, and also on our extreme south-west coasts with rain at Uleaborg and Christiansund, fine and bright in most other places. Rain later over our northern and north-western coasts, and also in Scandinavia, Germany, Austria, and northern Italy, largest amounts 1·38 in. at Wisby, and 0·40 in. at Sumburgh Head.

Temperature still showing little change. Morning readings ranging from 83° at Palma, 81° at Athens, 79° at Patras, and 78° at Lesina to slightly above 50° in the extreme north of Scotland. Maxima during day, 77° at Leith, and 76° at Harrogate and Jersey, above 80° in many parts of Germany and southern Europe. Highest readings 91° at Aumale and Sanguinaires, and 99° at Madrid. Thermometer remaining below 60° in the Shetlands and the west of Norway, but touching 70° at Stockholm.

Barometer and Wind. 8 a.m. and 6 p.m.

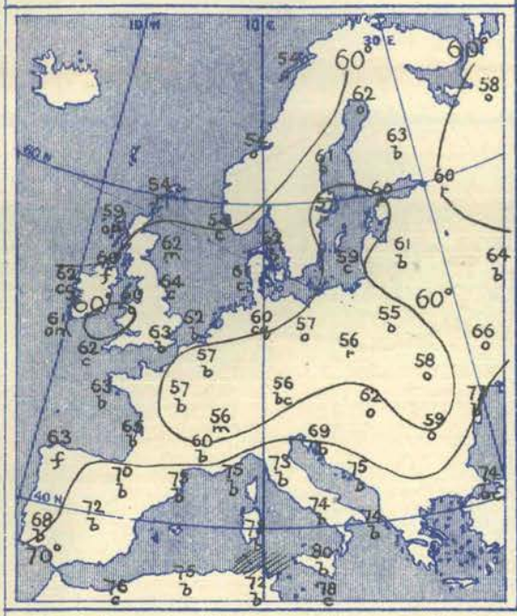


Wind very light and variable over our Islands. Northerly moderate to strong over the North Sea and Scandinavia, light from the Southward in eastern Russia, very variable elsewhere. Still blowing strongly on the eastern shores of the North Sea, no general change later.

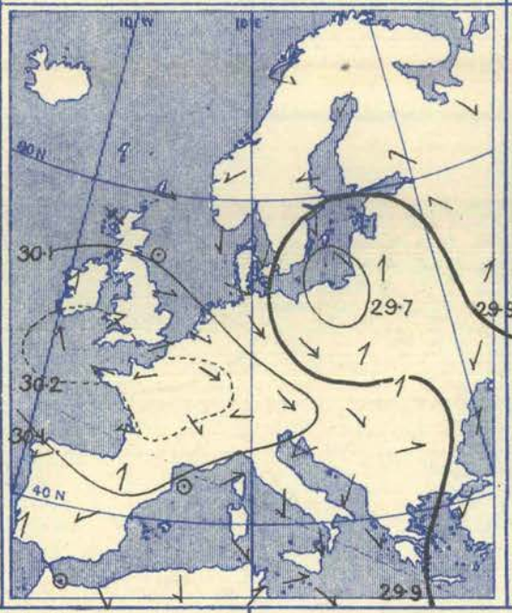
Barometer highest 30·0 ins. and upwards in the central area of an anticyclone off our south-west coasts. Lowest 29·7 ins. and less in two shallow systems lying over the Gulf of Bothnia, and the southern part of the Baltic Sea, and 29·9 ins. and less in a very small system near the Gulf of Taranto. Northern disturbance dispersing later, and small depressions developing over central Spain, the Gulf of Genoa, and northern Italy.

Thursday, 20th July, 1905.

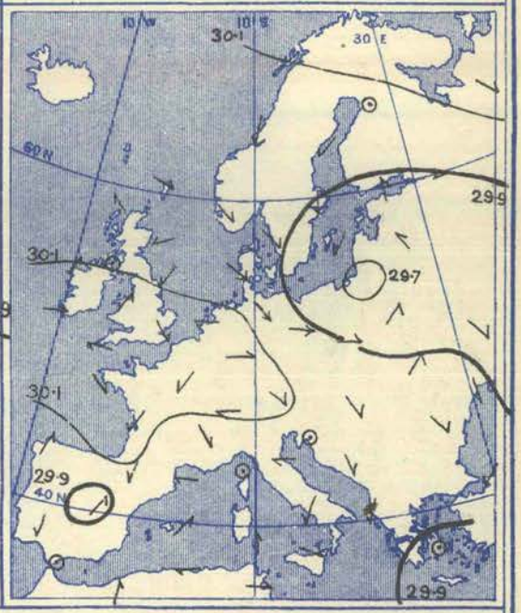
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull at many stations over northern and central Europe, as well as on the coasts of Scotland and Ireland, with rain at Sumburgh Head, Stockholm, in the Gulf of Bothnia, and many parts of Germany. Rain later over our northern and western districts, also in Germany and in parts of Scandinavia—largest amounts, 0·75 in. at Stockholm, 0·68 in. at Stornoway, 0·58 in. at Sumburgh Head, and 0·51 in. at Breslau.

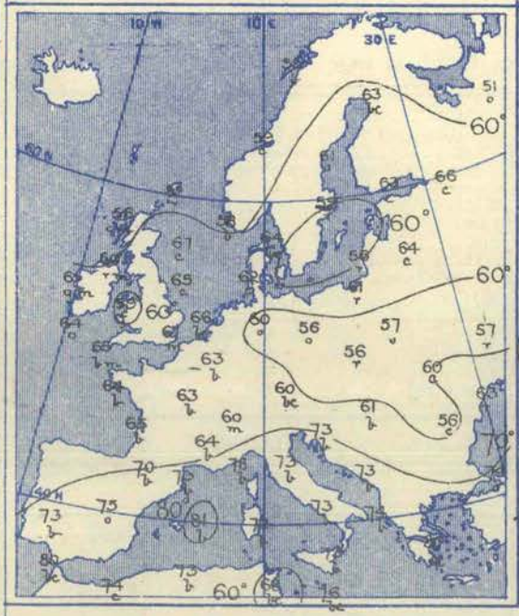
Temperature risen a little over our Islands, fallen over the central countries. Highest in morning, 80° at Palermo, 78° at Cape Sicié and Sfax, and 77° at San Fernando, above 70° on the shores of the Mediterranean, above 60° over the greater part of France, England, and western Scandinavia, but below 60° at most stations in Germany, Austria, and the southern Baltic Provinces; also below 60° on our extreme northern coasts, and in the west of Norway. Rising subsequently to 100° at Sanguinaires, 99° at Madrid and Sfax, exceeding 90° at several Mediterranean stations and at Rochefort, and reaching 80° or above in many parts of central and southern Europe. Highest in our Islands, 80° at Clacton-on-Sea and 78° in London.

Wind light and anticyclonic all over our Islands, France, the Netherlands, and the north of Spain, cyclonic over the southern part of the Baltic and the adjoining regions, blowing strongly over southern Sweden, Denmark, and western Germany, light and variable, but mainly cyclonic, over southern Europe and the Mediterranean. No important change later.

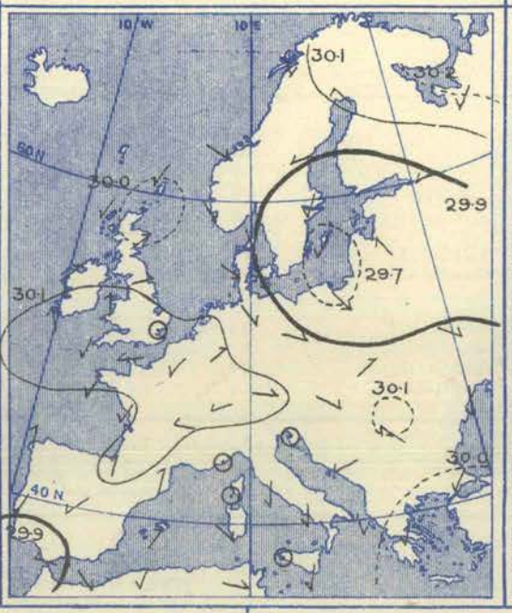
Barometer highest, 30·1 ins. to 30·2 ins. and upwards in a large high pressure area covering the greater part of western Europe, and 30·0 ins. and upwards in an anticyclone over central Russia. Lowest, 29·7 ins. and less in a well marked moderately deep disturbance over the Baltic and north-eastern Germany. Low pressure system moving slowly south-eastward later, western anticyclone giving way somewhat, and another small disturbance forming over central Spain.

Friday, 21st July, 1905.

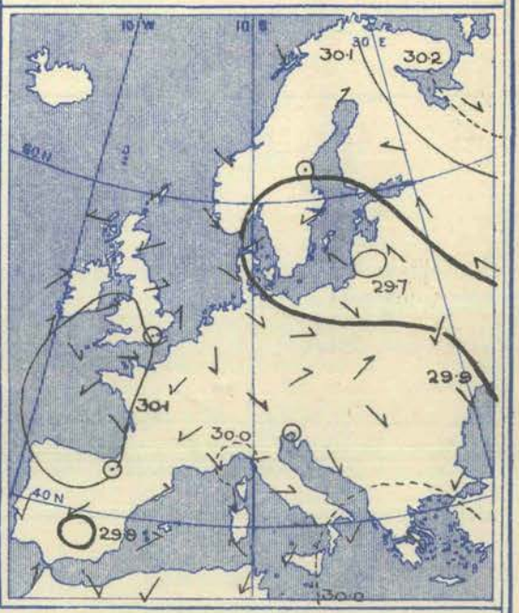
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over our area as a whole, but rainy on the shores of the Baltic, at Sumburgh Head, and Malin Head, and also in the south of Russia. A little rain falling later in the north and north-west of our Islands, and heavier amounts in North Germany and Poland.

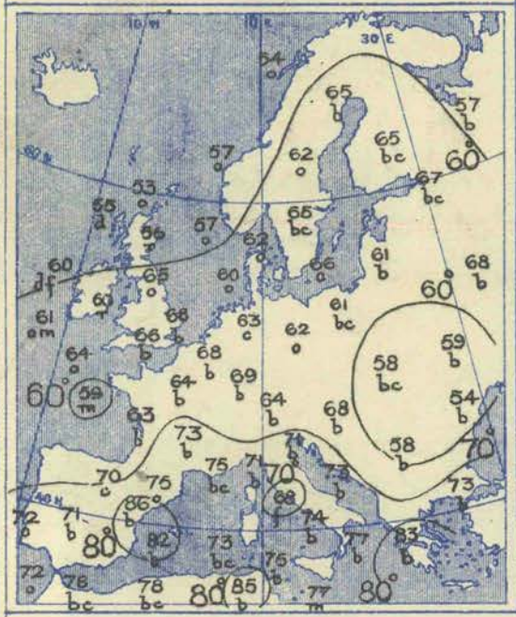
Temperature showing little change. Morning readings highest, about 80° at a few stations in the far south, and nearly 70° in the north of Finland. Lowest, 51° at Archangel, 52° at Sumburgh Head, and 56° at Wisby, Berlin, and Breslau. Rising later to 77° at Haparanda, 80° or a little above at some English stations, to about 90° at several places in southern Europe, and to 96° at Madrid.

Wind at 8 a.m. showing two cyclonic circulations—an extensive one around the Baltic and a less important one over Scotland. Light and mainly anticyclonic airs prevailing elsewhere. No change of importance taking place later.

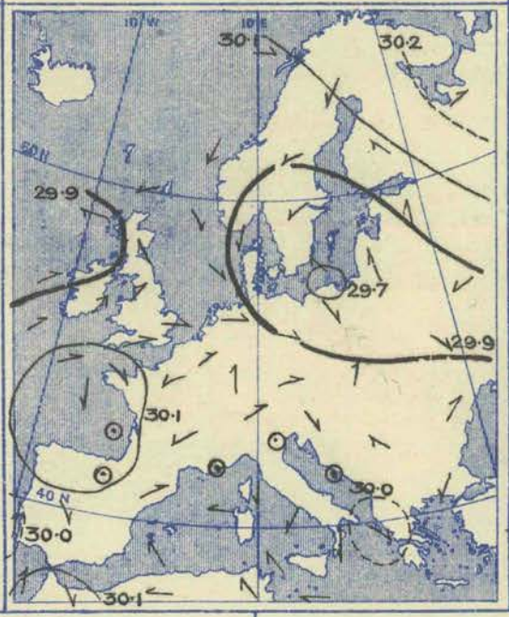
Barometer in morning highest, above 30·2 ins. in the extreme north of Russia and above 30·1 ins. over the southern half of our Islands and the adjacent portion of the Continent. Lowest, 29·7 ins. and less in a depression centred over the Baltic, and relatively low in other systems situated over Scotland and off the south of Spain. Scotch depression moving eastwards later, but a fresh fall of the barometer setting in over Ireland.

Saturday, 22nd July, 1905.

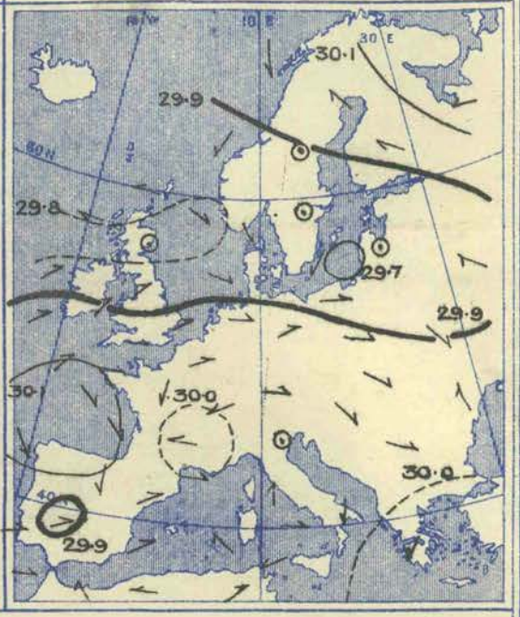
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. dull and rainy on several parts of our northern and western coasts and on some shores of the Baltic. Fair to very fine over our area as a whole. Rain later in almost all parts of our Islands, Finland, and a few other parts of the Continent—largest falls, 0·5 in. at Wick and 0·8 at Hangö.

Temperature fallen in Scotland, risen in most other regions. Morning values ranging from 86° at Barcelona and 85° at Tunis, and from 69° at Frankfort, 68° at Moscow, and 65° at Haparanda, to 57° at Warsaw, 55° at Stornoway, 54° at Bodö, and to 53° at Sumburgh Head. Maxima during day, 99° at Tunis, 97° at Madrid, 90° or above in several other southern regions, above 80° in many parts of central Europe and at Clacton-on-Sea, and also at St. Petersburg.

Wind in morning cyclonic over the northern half of the Continent and also over our own northern districts and chiefly anticyclonic in the south. Light or moderate in force very generally, but strong at Christiansund and fresh at Holyhead. Cyclonic wind area increasing in extent during day.

Barometer at 8 a.m. ranging from above 30·2 ins. in the north of Russia and above 30·1 ins. over the Bay of Biscay to below 29·9 ins. over our own north-western districts and to less than 29·7 ins. over East Prussia. Depression moving eastwards across Scotland later and shallow disturbances appearing over France and Spain. Minimum over Prussia scarcely changing in either depth or position.

IV.—GENERAL NOTES, etc.

The chief features of the pressure distribution were the persistency of an anticyclone over the south western portion of our area and the continual presence of cyclonic disturbances either over Scandinavia or the Baltic. The barometer was, as a rule, also relatively low over the Mediterranean but all the definite depressions that appeared in that neighbourhood were extremely shallow. The wind sometimes blew freshly or strongly over northern Europe as it circulated round the various baric minima, but over our area as a whole it was moderate to very light in force. The general character of the weather was fine, but the disturbances in the north brought a considerable amount of rain to their immediate vicinity and subsequently also to Germany. Quite at the end of the week a depression approaching the north-west of our Islands from the Atlantic was causing somewhat considerable falls of rain in Ireland and Scotland.

Temperature was rather high generally but comparatively cool over many parts of central Europe after the middle of the week. Maxima of 90° or above were not rare over southern Europe and the north of Africa; at Madrid there were shade readings of about 100°.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 170.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	27·1	- 4·6	22	- 4
STRATHPEFFER SPA	20·9	- 7·7	18	- 7
CRATHES	29·0	—	25	—
BALRUDDERY	50·0	—	43	—
EDINBURGH	40·4	+ 7·9	35	+ 7
COCKLE PARK	37·3	—	32	—
NEWCASTLE-on-TYNE	35·4	—	31	—
SALTBURN-by-the-SEA	33·7	—	30	—
YORK	45·7	+ 6·7	40	+ 6
SKEGNESS	67·0	—	60	—
CROMER	65·2	—	58	—
LOWESTOFT	63·1	—	56	—
DUNMOW	55·9	—	50	—
SHEFFIELD	51·1	—	45	—
WORKSOP	40·5	+ 3·5	36	+ 3
MARGATE	54·6	+ 9·2	49	+ 8
BROADSTAIRS	—	—	—	—
RAMSGATE	63·5	—	58	—
EASTBOURNE	69·6	+ 17·2	63	+ 16
BRIGHTON	70·2	+ 18·3	64	+ 17
WORTHING	71·0	—	65	—
BOGNOR	64·7	—	59	—
VENTNOR HOSPITAL	70·6	+ 22·3	64	+ 20
BOURNEMOUTH	63·5	—	58	—
MARLBOROUGH	59·1	+ 16·9	53	+ 15
SOUTHPORT	53·9	—	48	—
RHYL	55·3	—	49	—
ABERDOVEY	44·9	—	40	—
TENBY	53·0	+ 6·6	48	+ 6
TORQUAY	65·7	+ 16·7	60	+ 15
NEWQUAY	64·3	+ 16·2	59	+ 15
GUERNSEY	69·1	+ 12·2	61	+ 11

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 23, page 134	Hillington	—	—	58·8	—	53·0	- 2·2	77	—	—	—	—	—	—	—	—
,, 24, ,, 140	Blacksod	—	—	—	—	—	—	—	—	—	0·63	0·00	—	—	—	—
,, 25, ,, 146	Tunbridge Wells	—	—	—	50·9	59·6	+ 0·8	123	—	—	—	—	—	—	—	—
,, ,, ,,	Llandudno	—	—	69·1	53·7	60·9	+ 2·8	132	—	—	—	—	—	—	—	—
,, ,, ,,	Bettws-y-Coed	—	—	—	—	—	—	—	—	4	1·21	—	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 30. THIRTIETH WEEK, ENDING SATURDAY, JULY 29TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 176.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	70	41	61·4	48·2	54·3	1 below	86	− 2	0	0	1132	+ 49	476	− 80
	1. SCOTLAND, EAST	75	38	65·9	48·6	56·7	0 (average)	103	0	0	0	1361	+ 42	505	−100
	2. ENGLAND, N.E.	81	44	69·1	54·3	61·2	2 above	134	+18	0	0	1600	+196	374	−124
	3. ENGLAND, EAST	83	50	74·0	58·5	65·7	5 above	166	+38	0	0	1815	+163	349	−193
	4. MIDLAND COUNTIES	81	43	71·9	54·9	62·8	3 above	146	+22	0	0	1776	+105	394	−157
	5. ENGLAND, SOUTH	84	52	73·7	57·8	65·2	4 above	162	+26	0	0	1844	+ 37	268	−135
Principal Grazing Districts.	6. SCOTLAND, WEST	73	39	65·4	50·8	57·6	0 (average)	109	+ 3	0	0	1520	+115	313	−112
	7. ENGLAND, N.W.	72	40	66·7	53·3	59·5	0 (average)	123	+ 6	0	0	1619	+100	273	−131
	8. ENGLAND, S.W.	81	44	70·6	57·0	63·4	3 above	150	+27	0	0	1775	+ 70	222	− 85
	9. IRELAND, NORTH	70	39	64·5	51·2	57·4	0 (average)	108	0	0	0	1578	+ 72	271	− 81
	10. IRELAND SOUTH	76	43	67·7	55·1	61·0	2 above	133	+16	0	0	1900	+166	166	− 92
	— CHANNEL ISLANDS	81	57	70·9	59·7	64·9	3 above	160	+24	0	0	2046	+120	55	− 65

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 176.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10	2 more	153	+28	26·9	+ 4·0	39	+11	34	+10	777	+ 14	28	+ 1
	1. SCOTLAND, EAST	5	5	2 less	116	+ 8	13·2	− 2·9	47	+10	41	+ 9	914	+ 20	33	+ 1
	2. ENGLAND, N.E.	3	3	3 less	87	−13	8·3	− 4·5	44	+ 3	39	+ 3	983	+ 55	36	+ 2
	3. ENGLAND, EAST	2	2	4 less	96	− 5	10·8	− 1·6	40	−10	37	− 9	1100	+ 69	40	+ 3
	4. MIDLAND COUNTIES	3	5	1 less	96	0	11·2	− 3·3	36	− 7	32	− 6	946	+ 32	34	+ 1
	5. ENGLAND, SOUTH	2	1	4 less	95	+ 1	13·5	− 0·6	47	+ 1	44	+ 1	1055	+ 35	39	+ 1
Principal Grazing Districts.	6. SCOTLAND, WEST	5	9	0 (average)	118	+ 6	23·4	− 2·0	39	− 2	35	− 1	1002	+ 79	36	+ 3
	7. ENGLAND, N.W.	5	7	0 (average)	106	+ 2	15·4	− 1·6	38	+ 2	35	+ 2	1007	+163	37	+ 6
	8. ENGLAND, S.W.	3	2	5 less	105	0	16·5	− 2·6	29	−17	27	−16	985	− 64	36	− 2
	9. IRELAND, NORTH	5	4	3 less	131	+ 4	18·0	− 0·6	33	+ 3	30	+ 3	981	+144	36	+ 5
	10. IRELAND, SOUTH	5	8	1 more	121	+ 7	18·3	− 2·8	25	−10	22	− 9	925	− 17	34	− 1
	— CHANNEL ISLANDS	3	less than half	5 less	113	+ 5	14·1	− 1·9	46	− 8	43	− 8	1120	− 91	41	− 3

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was generally fair to fine over England, but no station was entirely without rain, and on Wednesday or Thursday thunderstorms were experienced in the eastern and south-eastern counties. In Ireland, Scotland, and the extreme north-west of England the conditions were unsettled and slight rain frequent.

Temperature was above the mean in most districts, the excess in England S. and E. being 4° and 5° respectively. In the north-west of England, the east and west of Scotland, and the north of Ireland the temperature only just equalled the mean, and in the north of Scotland was a degree below it. The highest of the maxima were, as a rule, recorded on the 25th or 26th, and ranged from 84° in England S. and 83° in England E., to 72° in England N.W. and to 70° in Ireland N. and Scotland N. The lowest of the minima, recorded generally towards the end of the week, ranged from 38° in Scotland E. and 39° in Scotland W. and Ireland N. to 52° in England S. and to 57° in the Channel Islands.

Rainfall was much less than the mean in nearly all parts of England, but equal to it in England N.W. and Scotland W., and a little in excess in Ireland S. and Scotland N.

Bright Sunshine exceeded the mean in Scotland N. and E., England S., N.E. and N.W., and Ireland N., but was deficient elsewhere. The percentage of the possible duration ranged from 44 in England S., 43 in the Channel Islands, and 41 in Scotland E., to 27 in England S.W. and 22 in Ireland S.

Barometer and Wind. At the commencement of the period a depression, which had arrived over the North Sea from the Atlantic, was moving away eastwards, and the wind over our Islands was light to fresh from West or North-West. During the next few days other systems from the westward skirted our north-western and northern coasts, while on Wednesday a small secondary passed eastwards across Ireland and England. On Thursday and Friday the type of distribution over the United Kingdom was mainly anticyclonic, with light Westerly winds in the north and Easterly or North-Easterly airs in the south, but during the night of Friday an important depression for the time of year appeared off the west of Scotland, and spreading southwards and eastwards produced very fresh or strong Southerly to Westerly breezes on all the western coasts and increasing winds from the same quarters in the south and east.

3896 Wy. & S. Ltd.
370 8 | 05

II.—DATA from which the SUMMARY on page 175 has been calculated.

Districts. July 23-29, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head	60	45	58·4	49·1	53·4	+ 0·5	80	0	5	0·71	+ 0·13	*	*	*	*
	Stornoway	64	45	60·6	49·4	54·6	+ 0·1	88	0	6	0·86	+ 0·15	38·6	+ 7·8	33	+ 7
	Wick	67	41	61·4	45·3	52·8	- 2·4	76	0	6	0·50	- 0·07	*	*	*	*
	Lairg Ⓢ	70	42	64·9	47·1	55·4	+ 0·5	94	0	6	0·87	+ 0·20	*	*	*	*
	Glencarron Ⓢ	62	42	60·2	49·0	54·2	- 0·7	85	0	7	2·44	+ 1·03	*	*	*	*
	Fort Augustus Ⓢ	67	41	62·8	? 49·2	55·5	- 1·1	95	0	5	0·73	0·00	27·0	+ 6·2	24	+ 5
1. SCOTLAND, E.	Nairn	70	42	65·6	47·4	55·9	- 1·2	97	0	6	0·53	- 0·08	*	*	*	*
	Aberdeen	70	44	64·7	48·6	56·1	- 0·8	99	0	5	0·28	- 0·37	48·3	+ 11·8	42	+ 10
	Braemar Ⓢ	68	38	61·5	46·4	53·4	- 0·7	80	0	5	0·37	- 0·34	*	*	*	*
	Clathick Ⓢ	73	41	67·7	57·9	57·1	- 0·9	106	0	4	0·66	- 0·09	*	*	*	*
	Leith	75	46	70·1	52·4	60·6	+ 2·0	130	0	5	0·57	- 0·06	*	*	*	*
	Marchmont Ⓢ	71	42	66·0	49·1	57·0	+ 0·2	105	0	3	0·51	- 0·26	47·7	+ 10·1	42	+ 9
2. ENGLAND, N.E	Alnwick Castle	73	44	68·1	51·7	59·3	+ 2·0	121	0	4	0·25	- 0·40	*	*	*	*
	Durham	76	44	68·9	51·6	59·7	+ 0·8	124	0	1	0·06	- 0·58	35·7	- 0·9	32	- 1
	Shields	73	46	66·7	52·6	59·2	+ 1·2	120	0	4	0·27	- 0·33	*	*	*	*
	Scarborough Ⓜ	71	52	68·4	55·5	61·5	+ 2·3	137	0	3	0·51	- 0·09	47·6	—	43	—
	Spurn Head	68	57	66·0	58·4	61·9	+ 2·0	139	0	3	0·23	- 0·15	*	*	*	*
	Lincoln	78	49	72·6	55·9	63·7	+ 3·6	152	0	3	0·53	0·00	*	*	*	*
	Fulbeck (Lincolnshire)	81	47	72·8	54·7	63·1	+ 3·0	148	0	2	0·34	- 0·20	42·6	—	39	—
3. ENGLAND, E.	Hillington Ⓜ	82	53	73·7	56·5	64·5	+ 3·7	158	0	4	0·44	- 0·20	27·3	- 16·1	25	- 15
	Yarmouth	80	58	71·1	60·6	65·5	+ 5·0	165	0	3	0·21	- 0·36	*	*	*	*
	Geldeston	83	53	75·0	57·0	65·4	+ 4·8	164	0	3	0·17	- 0·37	35·5	- 10·8	33	- 10
	Cambridge	81	50	75·0	57·6	65·7	+ 3·9	166	0	2	0·20	- 0·34	37·1	- 8·0	34	- 7
	Felixstowe	81	54	74·9	60·2	67·0	+ 6·1	175	0	2	0·07	—	54·4	—	50	—
	Clacton-on-Sea	80	56	53·7	60·1	66·4	+ 5·7	171	0	1	0·09	—	49·7	—	46	—
	Rothamsted	80	53	73·5	56·9	64·6	+ 4·2	158	0	3	0·31	- 0·26	41·6	- 4·8	38	- 4
	Shoeburyness	81	54	75·0	59·4	66·7	+ 5·3	173	0	1	0·06	- 0·34	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	72	45	69·6	51·8	60·1	+ 3·0	127	0	3	0·63	0·00	42·2	—	38	—
	Bawtry (Hesley Hall)	76	47	71·9	52·3	61·4	+ 1·1	136	0	4	0·66	+ 0·10	*	*	*	*
	Nottingham	79	49	73·1	55·6	63·7	+ 2·8	152	0	3	0·51	- 0·06	35·3	—	32	—
	Colly Weston (Stamford)	80	49	73·9	56·0	64·3	+ 2·9	156	0	4	0·84	+ 0·29	*	*	*	*
	Cheadle Ⓜ	72	49	68·1	54·5	60·8	+ 2·8	132	0	3	0·61	- 0·09	*	*	*	*
	Birmingham (Edgbaston)	77	51	69·7	56·5	62·6	+ 2·8	144	0	3	0·56	- 0·04	24·4	—	22	—
	Shrewsbury	74	43	70·5	52·2	60·7	+ 1·1	131	0	4	0·59	—	*	*	*	*
	Hereford Ⓜ	78	49	72·4	55·8	63·5	+ 3·0	151	0	4	0·12	- 0·41	*	*	*	*
	Cirencester	80	50	74·8	56·0	64·8	+ 5·4	160	0	3	0·09	- 0·56	30·5	- 13·1	28	- 12
	Oxford	81	54	74·9	58·3	66·0	+ 4·9	168	0	2	0·05	- 0·50	32·8	- 11·6	30	- 11
	Westminster	80	57	74·7	59·7	66·7	+ 4·4	173	0	2	0·30	—	31·2	- 9·1	29	- 8
5. ENGLAND, S.	London (Brixton)	84	56	76·9	58·7	67·2	+ 4·4	176	0	2	0·16	- 0·36	32·9‡	- 8·5‡	31‡	- 8‡
	Wisley (Surrey)	83	55	75·4	57·8	66·0	+ 3·4	168	0	3	0·22	—	39·6	—	37	—
	Swarraton (Alresford) Ⓜ	81	53	74·5	56·2	64·7	+ 5·1	159	0	1	0·02	- 0·58	*	*	*	*
	Tunbridge Wells Ⓜ	81	53	74·4	56·9	65·0	+ 4·0	161	0	1	0·15	—	49·3	—	46	—
	Dungeness	73	52	68·9	57·7	62·9	+ 1·2	146	0	2	0·53	+ 0·16	50·0	—	46	—
	Hastings (St. Leonards)	77	52	71·1	58·0	64·1	+ 2·9	155	0	1	0·03	- 0·48	60·3	+ 9·0	56	+ 8
	Southampton	83	56	77·9	59·2	67·9	+ 5·7	181	0	2	0·11	- 0·47	50·8	+ 2·0	47	+ 2
	Portland Bill	73	57	69·7	58·6	63·8	+ 3·8	153	0	2	0·02	—	*	*	*	*
	Shaftesbury Ⓜ	80	53	74·2	57·0	65·0	+ 5·6	161	0	2	0·02	- 0·33	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	69	47	64·2	50·5	56·9	- 0·3	104	0	6	1·54	+ 0·34	*	*	*	*
	Glasgow	68	47	64·7	52·2	58·0	+ 0·6	112	0	5	0·91	+ 0·12	33·1	+ 1·8	29	+ 2
	Cally Ⓢ	73	39	68·3	47·9	57·4	+ 0·3	108	0	4	0·91	- 0·02	*	*	*	*
	Aspatria	68	45	65·0	52·1	58·1	+ 0·1	113	0	5	0·87	—	46·8	—	42	—
	Douglas (Isle of Man)	66	44	64·7	51·2	57·5	+ 0·2	109	0	3	0·29	- 0·43	38·2	- 4·8	34	- 4
7. ENGLAND, N.W.	Newton Rigg	71	40	67·8	49·1	57·8	+ 0·3	111	0	3	0·30	—	45·9	—	41	—
	Stonyhurst	67	45	65·7	53·8	59·3	+ 0·9	121	0	6	0·88	- 0·12	37·9	- 0·1	34	0
	Blackpool Ⓜ	68	46	65·6	53·6	59·2	- 0·4	120	0	5	0·29	- 0·41	50·4	+ 11·0	45	+ 10
	Manchester (Prestwich)	72	44	68·4	53·7	60·5	+ 1·8	130	0	6	0·98	+ 0·16	38·2	—	35	—
	Liverpool Obsy. (Bidston)	71	53	66·4	56·1	60·9	+ 0·9	132	0	5	0·68	+ 0·04	43·9	—	40	—
	Chester (Hawarden Bridge)	71	48	67·1	54·6	60·4	+ 0·4	129	0	3	0·86	—	*	*	*	*
	Llandudno Ⓜ	70	48	66·9	54·3	60·2	0·0	127	0	4	0·83	+ 0·26	35·7	- 3·8	33	- 3
	Holyhead	67	50	64·1	54·1	58·8	- 0·1	118	0	5	0·53	- 0·04	*	*	*	*
	Bettws-y-Coed	70	41	68·0	50·3	58·5	- 1·0	116	0	6	0·73	—	22·0	—	20	—
8. ENGLAND, S.W.	Llangammarch Wells	70	44	67·8	52·5	59·6	+ 1·1	123	0	5	0·57	—	22·0	—	20	—
	Pembroke	67	52	64·3	56·0	59·9	+ 1·0	125	0	4	0·27	- 0·31	30·1	- 15·3	28	- 14
	Cardiff	73	49	71·1	56·3	63·2	+ 3·2	148	0	3	0·18	—	*	*	*	*
	Clifton	78	55	73·7	60·1	66·4	+ 5·5	171	0	2	0·13	- 0·57	*	*	*	*
	Bath	78	52	73·6	58·3	65·4	+ 3·7	164	0	3	0·08	- 0·51	37·1	—	34	—
	Arlington (N. Devon)	74	47	68·1	55·1	61·2	+ 2·4	134	0	5	0·64	- 0·39	*	*	*	*
	Cullompton Ⓜ	81	50	75·3	57·2	65·6	+ 4·5	165	0	1	0·06	- 0·59	27·2	- 14·6	25	- 14
	Falmouth	77	53	70·9	59·1	64·6	+ 4·3	158	0	2	0·14	- 0·57	31·7	- 18·6	30	- 17
	Plymouth	76	53	71·0	58·4	64·3	+ 3·1	156	0	1	0·02	- 0·61	31·4	- 14·9	29	- 14
9. IRELAND, N.	Malin Head	63	49	61·6	50·9	55·9	- 1·5	97	0	6	0·77	+ 0·03	*	*	*	*
	Edenfel (Omagh)	67	39	64·9	49·3	56·6	0·0	102	0	5	0·56	- 0·24	*	*	*	*
	Blacksod Point	64	49	62·7	53·9	58·0	- 0·1	112	0	6	0·29	- 0·49	*	*	*	*
	Markree Castle	69	39	66·2	50·4	57·8	+ 0·9	111	0	5	0·30	- 0·55	34·1	+ 5·6	31	+ 5
	Armagh	70	44	67·2	51·4	58·8	+ 1·0	118	0	5	0·30	- 0·43	31·5	+ 1·0	28	+ 1
	Donaghadee	70	45	64·3	51·4	57·4	0·0	108	0	4	0·33	- 0·33	*	*	*	*
10. IRELAND, S.	Dublin	74	50	69·3	56·4	62·4	+ 2·3	143	0	5	0·24	- 0·37	27·0	- 10·0	25	- 9
	Birr Castle	70	43	67·9	53·1	60·0	+ 1·5	126	0	6	0·50	- 0·22	24·4	- 6·7	22	- 6
	Kilkenny	76	46	69·6	53·4	60·9	+ 1·9	132	0	5	0·61	- 0·03	*	*	*	*
	Waterford	74	48	70·9	56·4	63·2	+ 3·8	148	0	5	1·62	+ 0·82	*	*	*	*
	Roche's Point	68	51	66·0	56·7	61·0	+ 1·3	133	0	3	0·87	+ 0·15	*	*	*	*
	Valencia	66	46	64·3	56·0	59·9	+ 1·0	125	0	6	1·11	+ 0·16	22·0	- 12·3	20	- 11
	Killarney	75	44	68·4	55·1	61·3	+ 2·5	135	0	5	0·85	- 0·01	*	*	*	*
	Foynes	69	45	64·9	53·6	58·9	+ 0·8	118	0	6	0·65	- 0·11	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	72	57	68·3	59·4	63·5	+ 2·8	151	0	2	0·02	- 0·52	28·8	- 21·0	27	- 20
	Jersey (St. Aubyn's)	81	57	73·4	60·0	66·2	+ 3·3	169	0	3	0·06	- 0·48	53·2	- 2·1	50	- 2

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

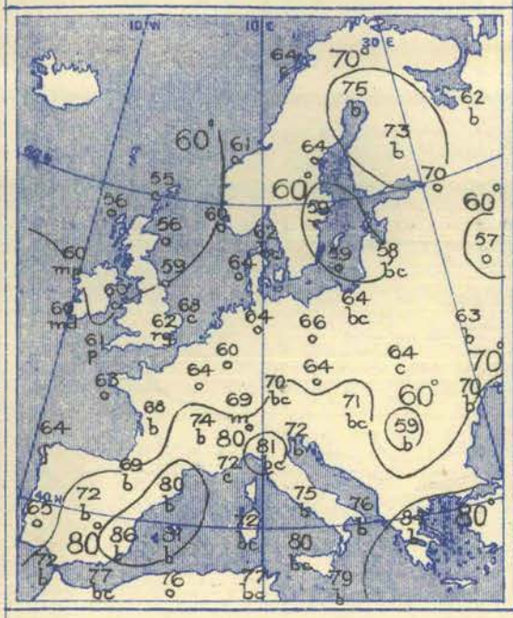
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

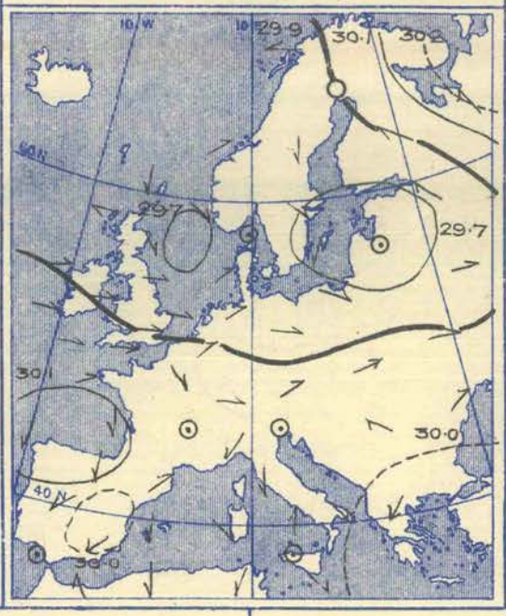
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 23rd July, 1905.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

Weather at 8 a.m. very cloudy or overcast over our Islands and the North Sea, with rain in places. Fair or fine generally elsewhere, but dull and rainy in the south east of Sweden. Rain falling in nearly all parts of England and the nearer regions of the Continent later, as well as over central Europe and on the shores of the Gulf of Finland.

Temperature risen in the centre and north of Europe, changed rather irregularly elsewhere. Morning readings highest, (1) 90° at Barcelona, 84° at Patras, 81° at Leghorn, and above 75° at several other southern stations, (2) 75° at Haparanda, 73° at Kuopio, and 70° at St. Petersburg. Lowest, 53° at Wick, 54° at Nairn, 59° at Pembroke, and below 60° over the upper portion of the Baltic and at Hermanstadt. Maxima during day, 100° at Biskra, about 90° at many other southern stations, 86° at Haparanda, 84° at Frankfurt, 77° at St. Petersburg, and about 70° at Leith and in the south-east of England.

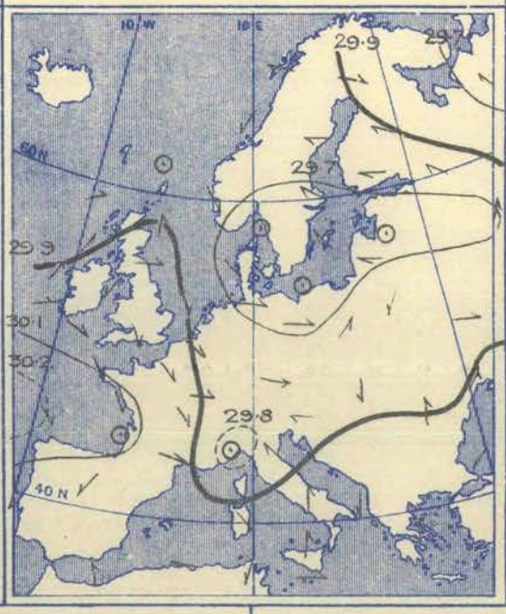
Wind in morning showing two cyclonic circulations—one over the north of Russia and its neighbourhood, and the other around the North Sea. Light and variable in most southern regions, but anticyclonic over the Bay of Biscay. Little change later.

Barometer at 8 a.m. highest, 30·2 ins. and upwards over the far north of Russia and above 30·1 ins. over the Bay of Biscay. Lowest, 29·7 ins. and less in depressions centred near Riga and over the North Sea. Latter system moving eastwards later, but that over Russia remaining stationary. Small areas of low pressure developing over the north of Italy. Barometer rising over the greater part of our Islands.

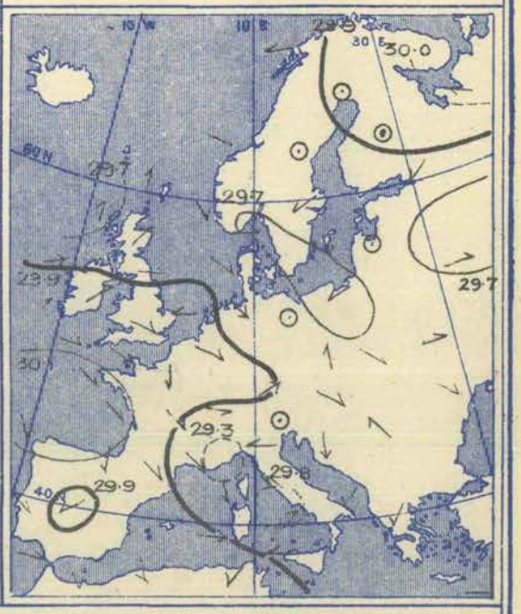
Monday, 24th July, 1905.

Temperature and Weather. 8 a.m.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over our area generally, but cloudy or overcast in most parts of our Islands, with showers at Scilly, and dull, with rain in places, over the Baltic and the surrounding regions, as well as over the Low Countries and the east of France. Some rain later in the north and west of our Islands and over Austria and Poland and also over Italy—heaviest amounts, 0·8 in. at Warsaw and Naples.

Temperature changed little and rather irregularly. Morning readings highest, (1) 82° at Athens, Algiers, and Palma, and above 70° over all the Mediterranean region; (2) 72° at Uleaborg and 66° at Bodö. Lowest, 52° in the Shetlands and 56° at Nairn and Christiansund. Rising during day to 70° or above over Germany and in several parts of Great Britain, to 81° at Haparanda, to nearly 90° at various stations in the extreme south, to 91° at Cagliari, and to 97° at Madrid.

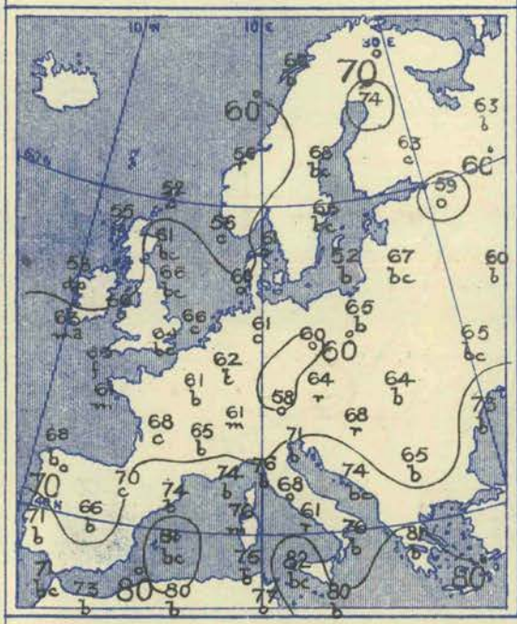
Wind at 8 a.m. light or moderate in force very generally. Anticyclonic over the Bay of Biscay and its vicinity, but cyclonic over our area as a whole. Increasing to a fresh or strong breeze from the Westward by evening over the north and north-west of Ireland and from the Northward at Lesina, but little change taking place elsewhere.

Barometer in morning ranging from above 30·1 ins. over the Bay of Biscay and the extreme north of Russia, to below 29·8 ins. in the north-west of Italy, and to less than 29·7 ins. in an irregularly shaped depression covering the south of Sweden, Denmark, and Prussia, and extending to Moscow. A fresh disturbance approaching the north-west of Scotland later, and the system on the Continent breaking into two portions and moving slowly eastwards.

Tuesday, 25th July, 1905.

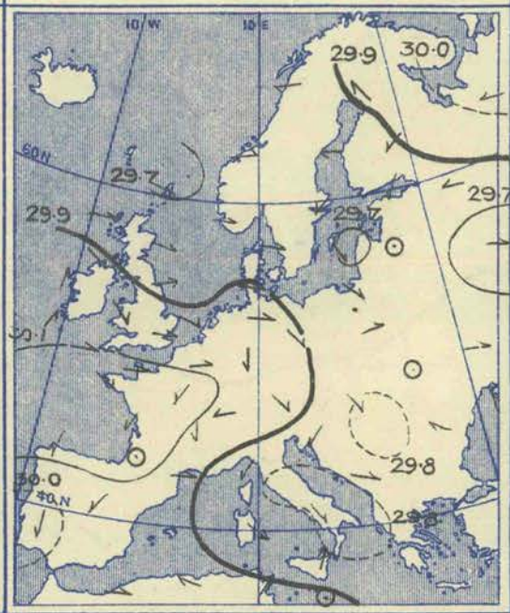
Temperature and Weather.

8 a.m.

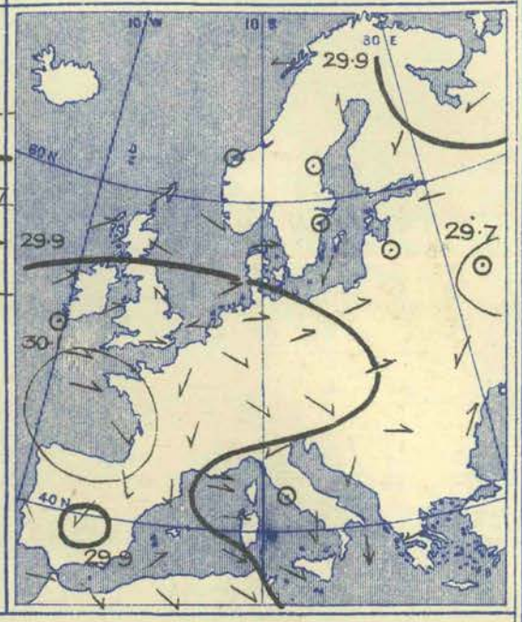


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. fine and bright generally, but dull and rainy in some parts of central Europe and over Ireland, and also at Naples and Christiansund. Fog prevailing on the south-west coast of England. Rain falling later in all the northern parts of these Islands and also at Rome, but amounts not large.

Temperature fallen over Italy, France, and Germany, risen in most other regions. Morning readings highest, (1) 82° at Palermo and about 80° at many other southern stations; (2) 74° at Uleaborg, 69° at Haparanda, and 66° at Bodö. Lowest, 52° at Sumburgh Head, 55° at Stornoway, and 58° at Aix-la-Chapelle, Limoges, and Munich. Rising subsequently to 79° at Haparanda, 80° at Clacton-on-Sea and Paris, to nearly 90° in many southern regions, and to above it in places. Highest value, 96° at Madrid.

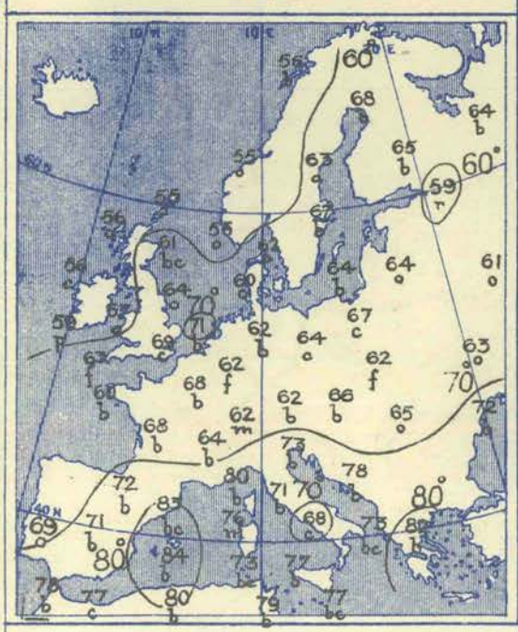
Wind in morning anticyclonic over the south of our Islands and all the adjacent parts of the Continent. Partial or complete cyclonic circulations prevailing elsewhere. Very little force as a whole, but a strong South-South-Westerly breeze blowing at Palermo. Little change later.

Barometer in morning ranging from 30·0 ins. to 30·1 ins. in an anticyclone covering the southern half of England, the Bay of Biscay, and all the central countries of Europe, to 29·7 ins. in a depression having its minimum near Moscow and in other minima over the Baltic and off the north of Scotland. Nearly as low over Italy. No important change occurring in the general distribution during day.

Wednesday, 26th July, 1905.

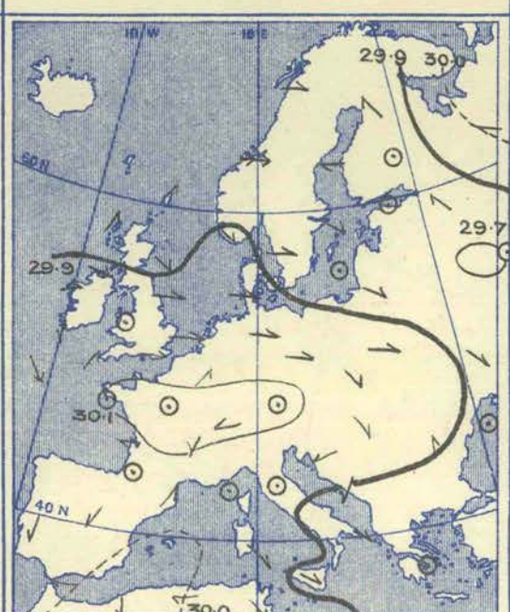
Temperature and Weather.

8 a.m.

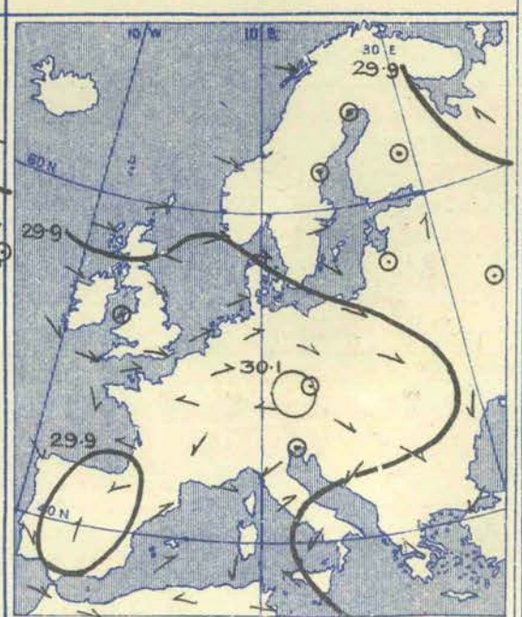


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. fine or fair very generally, but unsettled and rainy in Ireland and the north-west of England and also on the shores of the Gulf of Finland; a thunderstorm prevailing at Helsingfors. Fog reported over the English and St. George's Channels. Rain, generally slight, occurring later on many parts of the United Kingdom and at isolated stations on the Continent. Thunderstorms experienced at Karlstad and Yarmouth and thunder only at Roche's Point.

Temperature risen in most places. Morning values highest, (1) 84° at Palma, 82° at Athens, 80° at Nice, and only a few degrees lower at several other Mediterranean stations, (2) 71° at Great Yarmouth, 69° in London, (3) 68° at Haparanda, 64° at Archangel. Lowest, 55° in the north of Ireland, the Shetlands, and the west of Norway. Rising during day to 81° at Haparanda, 82° at Lowestoft, a few degrees higher at many stations in central Europe, to 90° at Biarritz, 91° at Brindisi, and to 100° at Rochefort.

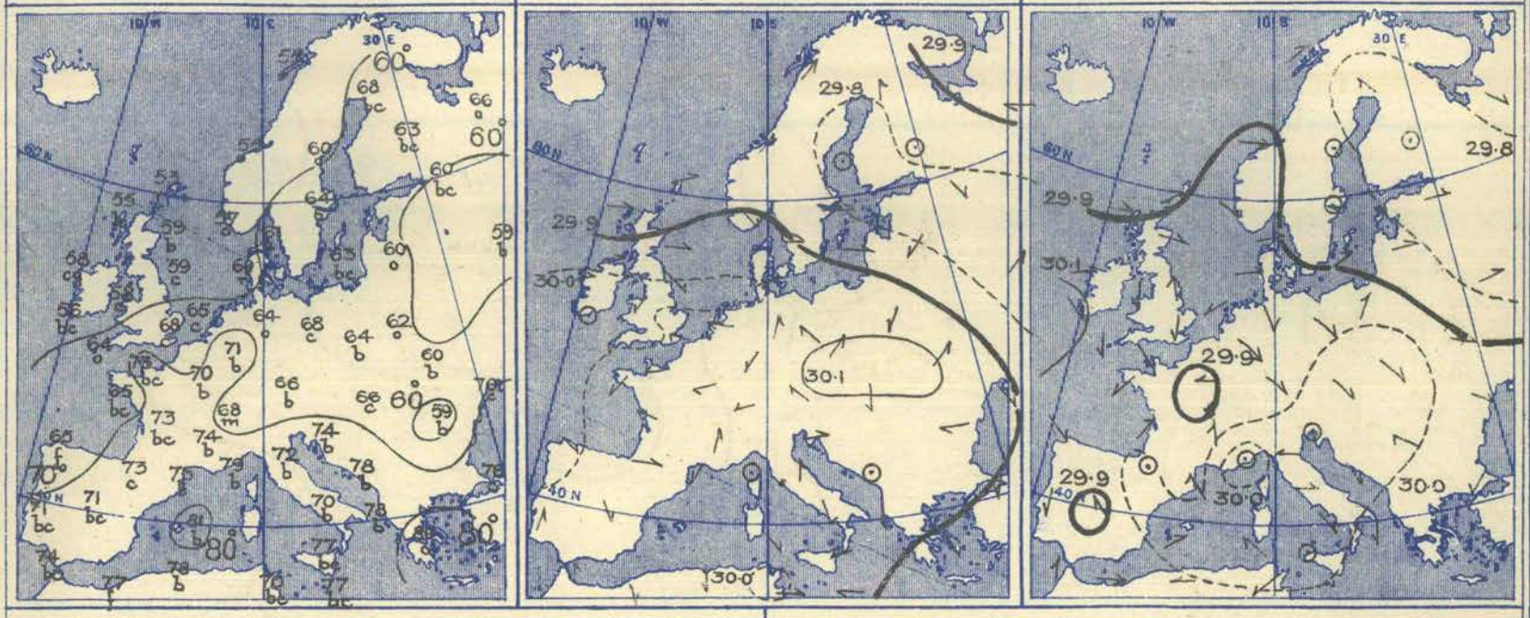
Wind in morning anticyclonic except over Russia, our northern districts, and the Mediterranean. Blowing a fresh Westerly gale at Christiansund, but of little force elsewhere. No change of a general character later.

Barometer at 8 a.m. still highest, 30·0 ins. to 30·1 ins. in a large anticyclone centred over France and Germany. Lowest, 29·7 ins. in a depression over central Russia and only a little higher off the north of Scotland. Anticyclone giving way during day, especially that portion situated over France, and a large shallow depression forming over Spain. Some small local irregularities of pressure appearing over England, but barometric changes very slight over our Islands and the northern half of our area generally.

Thursday, 27th July, 1905.

Temperature and Weather. — 8 a.m.

Barometer and Wind. — 8 a.m. | 6 p.m.



Weather at 8 a.m. fair to fine generally, but rainy at Sumburgh Head and Fanö, and showery at Spurn Head. Thunderstorms later in several parts of France and the south-east of England and thunder at Wick. More than three-quarters of an inch of rain falling at Bodö, 0·6 in. at Oran, and smaller amounts in various other places.

Temperature changed irregularly. Morning readings ranging from 83° at Barcelona and about 80° at many other stations in the south to 55° on the west coast of Norway, and to 53° at Sumburgh Head and Parsonstown. Rising later to 79° at Haparanda, 81° at Jersey, 91° at Frankfurt, 94° at Florence, and to 95° at Clermont and Toulouse. Maxima below 70° over our own western and northern districts generally, and only 58° in the Shetlands.

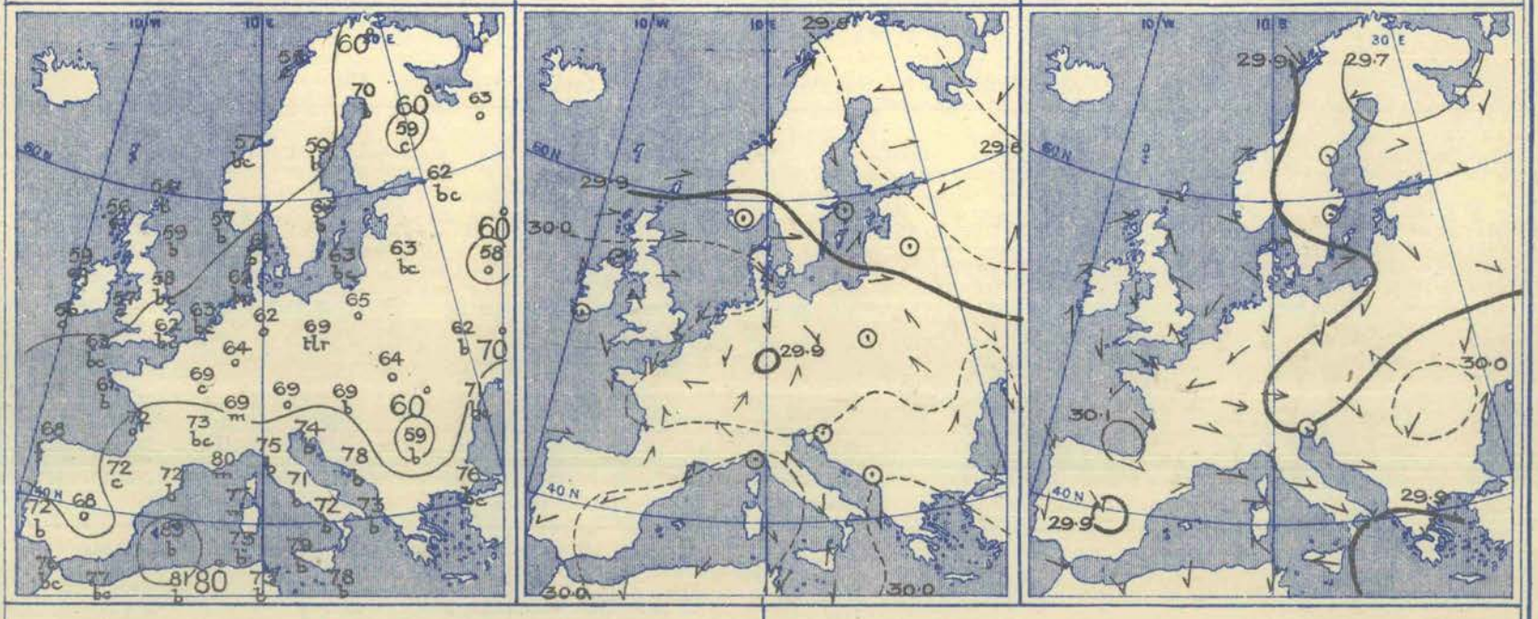
Wind in morning light and anticyclonic over our area as a whole, but variable in some region and cyclonic in the north. No great change taking place during the day.

Barometer at 8 a.m. highest, 30·1 ins. and upwards in an anticyclone having its maximum over the centre of Europe, and above 30·0 ins. in another system extending across Ireland, the north of England, and the southern part of the North Sea. Lowest, 29·8 ins. and less in a shallow and irregularly shaped low pressure area extending from the Gulf of Bothnia across central Russia. Pressure giving way later over the central countries and becoming highest over our own western districts.

Friday, 28th July, 1905.

Temperature and Weather. — 8 a.m.

Barometer and Wind. — 8 a.m. | 6 p.m.



Weather at 8 a.m. fair or fine as a whole, but a thunderstorm prevailing at Berlin, fog at Corunna, and a considerable amount of cloud over our Islands. Slight rain later in Ireland, Wales, and Scotland, and heavy falls in various parts of Scandinavia, Finland, and Germany—largest amount, 3·1 ins. at Breslau. Thunderstorms experienced at many French stations.

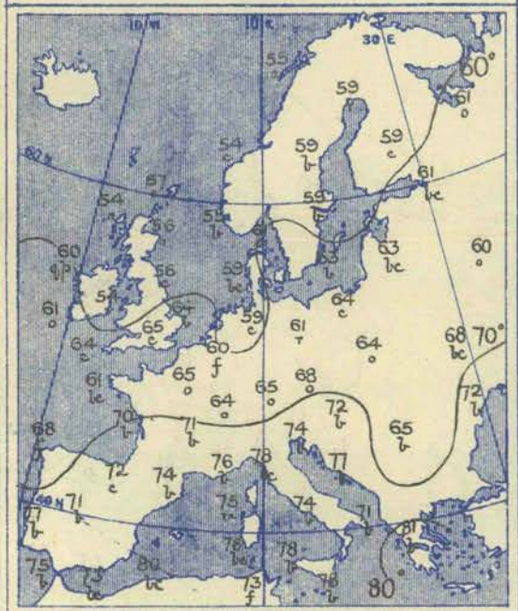
Temperature showing no decided change. Readings in morning ranging from 83° at Palma, 80° at Algiers and Cape Sicié, and 75° at Frankfurt, to below 60° on our west and north coasts and in Norway. Lowest value, 53° at Stornoway. Rising subsequently to about 70° at many of our own stations, to above 80° in many parts of the Continent, and to 90° or above in places. Highest values, 92° at Lyons and Florence, 97° at Oran.

Wind in morning light and very variable over our area generally; Northerly or North-Easterly at most English stations and Westerly in Scotland. Backing to the Southward in Ireland later and increasing in force, but not much change taking place elsewhere.

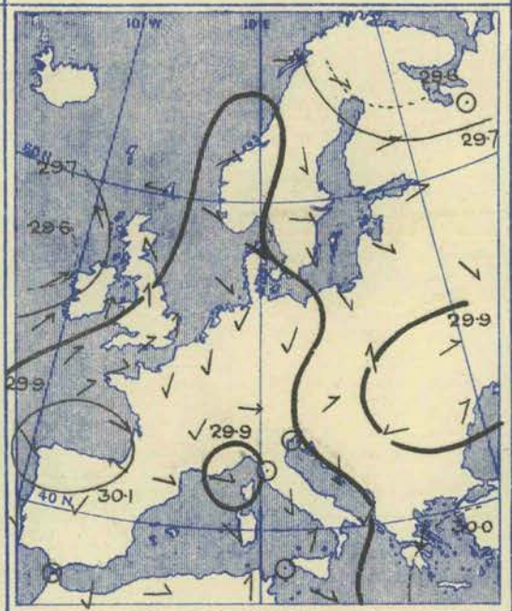
Barometer at 8 a.m. extremely uniform generally; ranging from above 30·0 ins. over our Islands to below 29·8 ins. in a large shallow depression over Finland and the north of Russia. Some small and very shallow disturbances shown over France and Germany. A rather decided decrease of pressure setting in over Ireland during the evening, but changes over our area slight and unimportant as a whole.

Saturday, 29th July, 1905.

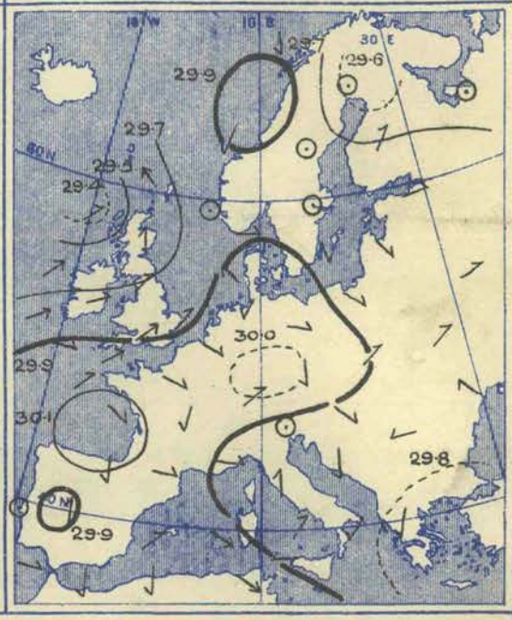
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. rainy at several of our own western and northern stations, in the north of Finland, and at Berlin, and a thunderstorm prevailing at Breslau. Fair or fine over our area generally, but foggy at Corunna, Brussels, and Aix-la-Chapelle. Slight rain later in nearly all parts of our Islands and at isolated stations on the Continent.

Temperature showing no change of a general or decided character. Morning readings highest, 81° at Athens, 80° at Algiers, and above 70° over nearly the whole of southern Europe. Lowest, 53° at Nairn and Liverpool, 54° at Christiansund, and below 60° in Scandinavia and over our own northern and north-western districts. Maxima during day, 95° at Tunis, about 90° at a few other stations in the far south, and above 80° over France and central Europe. Above 70° in many parts of England.

Wind in morning South-Westerly to South-Easterly over the United Kingdom; moderate in the East, fresh and increasing in the west. Light or moderate and from no general direction over the Continent. South-Westerly current increasing to a strong breeze or moderate gale later on some parts of our west and north-west coasts, and to a fresh breeze in most other places. Little change on the Continent.

Barometer at 8 a.m. highest, 30·1 ins. over the north of Spain and decreasing gradually to 29·9 ins. in an area extending to the north-west of Norway. Lowest, 29·6 ins. and less (1) in a depression over Lapland and (2) in another system off the west of Scotland. Barometer falling to 29·39 ins. at Stornoway by 6 p.m. as the depression in the north-west travelled north-eastwards, and gradients increasing considerably over our Islands and their vicinity.

IV.—GENERAL NOTES, etc.

The general distribution of pressure underwent frequent modifications, but the anticyclones were always of slight intensity and the depressions, except those shown at the beginning and end of the week, of little importance. On Sunday the barometer was highest over the Bay of Biscay region while the central part of our area was occupied by depressions. During the next few days the latter moved away eastwards while the anticyclone over the Bay extended, and finally travelled, north-eastward to central Europe. Later in the week the area of highest pressure became extremely ill-defined, but on Saturday it was again situated over the Bay of Biscay, while a depression, which subsequently proved to be large and deep for the time of year, appeared off our north-western coasts. Temperature was above the average in nearly all parts of our area. Maxima of 100° were sometimes recorded in the extreme south, and readings of about 90° were rather numerous. The thermometer sometimes touched 80° in the far north of Sweden. Few parts of Europe escaped rain, while various French and German localities, and also the south-east and east of England experienced thunderstorms. The rain was occasionally heavy at stations in central Europe; at Breslau on Friday there was more than three inches.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 176.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	51·3	+20·8	44	+ 18
STRATHPEFFER SPA	30·2	+ 2·0	26	+ 2
CRATHES	45·7	—	40	—
BALRUDDERY	50·8	—	45	—
EDINBURGH	40·7	+ 8·2	36	+ 7
COCKLE PARK	44·4	—	39	—
NEWCASTLE-on-TYNE	34·8	—	31	—
SALTBURN-by-the-SEA	46·3	—	41	—
YORK	44·8	+ 6·8	40	+ 6
SKEGNESS	44·3	—	40	—
CROMER	41·8	—	38	—
LOWESTOFT	49·4	—	45	—
DUNMOW	41·1	—	38	—
SHEFFIELD	43·8	—	40	—
WORKSOP	39·7	+ 3·7	36	+ 3
MARGATE	49·0	+ 4·4	45	+ 4
BROADSTAIRS	51·3	—	48	—
RAMSGATE	50·1	—	46	—
EASTBOURNE	56·8	+ 5·7	53	+ 5
BRIGHTON	45·7	− 5·7	42	− 5
WORTHING	51·9	—	48	—
BOGNOR	48·5	—	45	—
VENTNOR HOSPITAL	55·5	+ 7·5	52	+ 7
BOURNEMOUTH	56·3	—	52	—
MARLBOROUGH	34·1	− 7·6	32	− 7
SOUTHPORT	51·8	—	47	—
RHYL	38·8	—	35	—
ABERDOVEY	30·2	—	28	—
TENBY	29·4	− 16·1	27	− 15
TORQUAY	43·0	− 5·6	40	− 5
NEWQUAY	26·5	− 21·2	25	− 20
GUERNSEY	55·4	− 1·1	52	− 1

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 22, page 128	Dungeness	—	—	—	—	—	—	—	—	—	—	—	54·1	—	48	—
,, 23, ,, 134	,,	—	—	—	—	—	—	—	—	—	—	—	12·8	—	11	—
,, 24, ,, 140	,,	—	—	—	—	—	—	—	—	—	—	—	52·5	—	46	—
,, 25, ,, 146	,,	—	—	—	—	—	—	—	—	—	—	—	85·6	—	75	—
,, 28, ,, 168	Deerness	—	—	—	—	—	—	—	—	—	—	—	27·1	− 5·5	22	− 5

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 31. THIRTY-FIRST WEEK, ENDING SATURDAY, AUGUST 5TH, 1905. *[Price 6d. Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 182.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	65	41	59·9	49·2	54·2	0 (average)	85	− 4	0	0	1217	+ 45	476	− 80
	1. SCOTLAND, EAST	71	43	63·1	49·6	55·9	1 below	97	− 6	0	0	1458	+ 36	505	−100
	2. ENGLAND, N.E.	72	46	67·7	52·9	59·8	1 above	125	+10	0	0	1725	+206	374	−124
	3. ENGLAND, EAST	75	43	70·3	55·2	62·3	2 above	142	+15	0	0	1957	+178	349	−193
	4. MIDLAND COUNTIES	75	40	67·5	51·7	59·1	1 below	120	− 3	0	0	1896	+102	394	−157
	5. ENGLAND, SOUTH	77	40	69·0	55·1	61·6	1 above	137	+ 2	0	0	1981	+ 39	268	−135
Principal Grazing Districts.	6. SCOTLAND, WEST	69	42	62·8	50·6	56·4	1 below	101	− 5	0	0	1621	+110	313	−112
	7. ENGLAND, N.W.	70	45	64·9	52·7	58·5	1 below	116	− 1	0	0	1735	+ 99	273	−131
	8. ENGLAND, S.W.	72	37	66·5	53·0	59·3	1 below	121	− 2	0	0	1896	+ 68	222	− 85
	9. IRELAND, NORTH	67	43	62·8	50·8	56·5	1 below	102	− 6	0	0	1680	+ 66	271	− 81
	10. IRELAND SOUTH	70	42	64·9	52·9	58·6	0 (average)	116	− 2	0	0	2016	+164	166	− 92
	— CHANNEL ISLANDS	72	55	67·1	58·4	62·5	1 above	144	+ 7	0	0	2190	+127	55	− 65

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 182.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	13	5 more	159	+29	28·2	+ 4·5	28	+ 1	25	+ 1	805	+ 15	28	+ 1
	1. SCOTLAND, EAST	6	11	4 more	122	+10	14·3	− 2·5	42	+ 8	38	+ 7	956	+ 28	33	+ 1
	2. ENGLAND, N.E.	4	6	0 (average)	91	−12	8·9	− 4·5	53	+14	49	+12	1041	+ 68	36	+ 2
	3. ENGLAND, EAST	3	5	1 less	99	− 5	11·3	− 1·7	49	+ 6	46	+ 6	1149	+ 76	40	+ 3
	4. MIDLAND COUNTIES	5	10	4 more	101	+ 1	12·2	− 2·8	44	+ 2	41	+ 2	990	+ 34	35	+ 1
	5. ENGLAND, SOUTH	4	8	3 more	99	+ 2	14·3	− 0·4	43	− 4	41	− 4	1098	+ 30	39	+ 1
Principal Grazing Districts.	6. SCOTLAND, WEST	5	14	5 more	123	+ 7	24·8	− 1·5	43	+ 8	40	+ 8	1045	+ 87	36	+ 3
	7. ENGLAND, N.W.	5	9	2 more	111	+ 3	16·3	− 1·4	41	+ 5	38	+ 5	1048	+168	37	+ 6
	8. ENGLAND, S.W.	5	12	4 more	110	+ 1	17·7	− 2·1	46	+ 2	44	+ 1	1031	− 62	36	− 2
	9. IRELAND, NORTH	6	11	3 more	137	+ 5	19·1	− 0·3	46	+16	42	+15	1027	+160	36	+ 6
	10. IRELAND, SOUTH	5	12	4 more	126	+ 8	19·5	− 2·5	45	+10	42	+10	970	− 6	34	0
	— CHANNEL ISLANDS	4	8	2 more	117	+ 5	14·9	− 1·6	48	− 6	46	− 6	1168	− 97	41	− 4

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was at first fine and dry over England, but showery in Ireland and Scotland. After Tuesday unsettled weather extended gradually from the westward over the entire Kingdom, and in the latter half of the week rain was general, the fall being heavy in most of the western and northern districts. Thunder was heard at a few isolated stations in England and Ireland on Tuesday, and thunderstorms occurred over Lancashire and North Wales on Thursday, in several parts of Scotland on Friday, and in the east and south-east of England on Saturday.

Temperature differed but little from the normal. Over the country generally it was rather low, but in Scotland N. and Ireland S. it agreed precisely with the average, while in England N.E. and E. and the Channel Islands there was a trifling excess. The highest readings, which occurred at times varying greatly in the different localities, ranged from 77° in England S. and 75° in England E. and the Midland Counties, to 67° in Ireland N. and to 65° in Scotland N. The lowest readings, which also occurred on various dates, ranged from 37° in England S.W. (at Llangammarch Wells) and 40° in the Midland Counties and England S., to 46° in England N.E. and to 55° in the Channel Islands.

Rainfall was in excess of the mean in most districts, but was either equal to or slightly less than the mean in England N.E. and E. Between the 2nd and 4th heavy individual falls were reported at many places in the west and north.

Bright Sunshine exceeded the mean in all districts excepting England S. and the Channel Islands; in Ireland and in England N.E. the excess was large. The percentage of the possible duration ranged from 49 in England N.E. and 46 in England E. and the Channel Islands, to 38 in Scotland E. and England N.W. and to only 25 in Scotland N.

Barometer and Wind. During the earlier half of the week depressions were shown off our most northern coasts, and as the barometer was highest over the Bay of Biscay the wind over our Islands was mainly Westerly. By Wednesday morning, however, a disturbance was seen to be approaching the south-west of Ireland. Its subsequent rate of motion was very slow, and its centre did not come within our area until Friday morning, when it lay over the St. George's Channel. From that position it moved north-north-eastwards to the north of Scotland and by Saturday the disturbance had become considerably less deep. The cyclonic circulation of wind around the system was very complete, and the South-Westerly and Southerly current rose to a fresh gale on several parts of our western and southern coasts, and to a strong breeze or moderate gale in the east. A strong Easterly breeze was experienced for a time in the east of Scotland, and a moderate North-Easterly gale on the north coast of Ireland.

3910 Wy. & S. Ltd.
370 8 | 05.

II.—DATA from which the SUMMARY on page 181 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
July 30-Aug. 5, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head ℌ	60	48	58·3	49·9	53·9	+ 1·0	83	0	7	0·70	+ 0·06	*	*	*	*
	Stornoway	64	44	58·7	49·6	53·9	- 0·4	83	0	7	1·00	+ 0·24	33·8	+ 3·2	30	+ 3
	Wick	64	41	61·0	48·1	54·2	- 0·7	85	0	4	0·59	+ 0·02	*	*	*	*
	Lairg ℌ	65	45	62·1	48·1	54·7	+ 0·2	89	0	7	1·35	+ 0·71	*	*	*	*
	Glencarron ℌ	63	46	58·4	49·1	53·5	- 1·0	81	0	7	2·87	+ 1·43	*	*	*	*
	Fort Augustus ℌ	63	47	60·6	50·4	55·2	- 1·3	92	0	5	1·40	+ 0·69	15·7	- 5·0	14	- 5
1. SCOTLAND, E.	Nairn	65	43	61·7	49·3	55·1	- 1·6	92	0	7	0·86	+ 0·26	*	*	*	*
	Aberdeen	67	47	63·3	51·4	57·0	+ 0·5	105	0	4	0·99	+ 0·34	39·0	+ 3·2	35	+ 3
	Braemar ℌ	63	45	58·2	47·9	52·7	- 1·2	75	0	7	1·66	+ 0·91	*	*	*	*
	Clathick ℌ	69	46	65·3	50·2	57·3	- 0·2	107	0	7	1·76	+ 0·96	*	*	*	*
	Leith	71	51	67·6	52·0	59·3	+ 1·0	121	0	6	0·32	- 0·27	*	*	*	*
	Marchmont ℌ	66	43	62·3	47·0	54·2	- 2·0	85	0	4	0·89	+ 0·12	41·9	+ 5·5	38	+ 5
2. ENGLAND, N.E	Alnwick Castle	70	46	67·5	50·4	58·4	+ 1·4	115	0	4	0·63	- 0·03	*	*	*	*
	Durham	70	48	64·8	51·3	57·7	- 0·9	110	0	4	0·83	+ 0·19	53·9	+ 18·7	49	+ 17
	Shields	70	50	67·0	53·0	59·6	+ 2·1	123	0	3	0·56	- 0·05	*	*	*	*
	Scarborough ℌ	71	50	69·1	54·3	61·3	+ 2·7	135	0	5	0·27	- 0·34	47·9	—	44	—
	Spurn Head	71	54	67·7	56·4	61·7	+ 2·3	138	0	4	0·37	- 0·03	*	*	*	*
	Lincoln	72	46	68·3	52·3	59·8	- 0·1	125	0	5	0·67	+ 0·13	*	*	*	*
	Fulbeck (Lincolnshire)	72	47	69·2	52·3	60·2	+ 0·5	127	0	4	0·53	- 0·01	55·8	—	52	—
3. ENGLAND, E.	Hillington ℌ	75	43	70·6	51·6	60·5	+ 0·4	130	0	3	0·34	- 0·29	47·6	+ 5·2	45	+ 5
	Yarmouth	72	50	69·1	57·1	62·7	+ 2·4	145	0	3	0·64	+ 0·10	*	*	*	*
	Geldeston	74	47	71·4	54·2	62·3	+ 2·2	142	0	3	0·53	+ 0·05	44·9	- 0·4	42	0
	Cambridge	74	44	70·6	53·3	61·4	+ 0·2	136	0	3	0·68	+ 0·14	53·0	+ 9·0	50	+ 8
	Felixstowe	73	50	70·2	57·3	63·4	+ 2·9	150	0	3	0·21	—	52·1	—	49	—
	Clacton-on-Sea	75	48	70·3	57·4	63·5	+ 2·8	151	0	3	0·20	—	43·9	—	41	—
	Rothamsted	72	44	69·1	52·7	60·4	+ 0·4	129	0	4	0·81	+ 0·25	56·0	+ 11·3	53	+ 11
	Shoeburyness	75	52	71·0	57·7	64·0	+ 2·7	154	0	3	0·38	- 0·02	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	68	47	64·3	51·7	57·6	- 0·2	109	0	4	1·01	+ 0·41	51·0	—	47	—
	Bawtry (Hesley Hall)	73	45	68·3	50·9	59·1	- 0·7	120	0	4	0·59	+ 0·06	*	*	*	*
	Nottingham	71	45	69·0	52·1	60·0	- 0·6	126	0	5	0·89	+ 0·32	44·2	—	41	—
	Colly Weston (Stamford)	75	45	71·3	52·1	61·1	+ 0·2	134	0	4	0·63	+ 0·08	*	*	*	*
	Cheadle ℌ	68	45	64·4	50·3	56·9	- 0·8	104	0	5	1·40	+ 0·65	*	*	*	*
	Birmingham (Edgbaston)	67	47	65·5	52·6	58·7	- 0·7	117	0	5	1·24	+ 0·64	41·9	—	39	—
	Shrewsbury	71	46	67·0	52·9	59·5	- 0·1	123	0	4	0·72	—	*	*	*	*
	Hereford ℌ	71	41	67·4	49·8	58·1	- 2·1	113	0	5	1·30	+ 0·77	*	*	*	*
	Cirencester	72	40	68·1	50·1	58·6	- 0·3	116	0	5	1·53	+ 0·86	47·9	+ 5·3	45	+ 5
	Oxford	72	48	69·4	54·0	61·2	+ 0·4	134	0	4	0·73	+ 0·19	45·5	+ 2·1	43	+ 2
5. ENGLAND, S.	Westminster	74	50	70·3	56·3	62·9	+ 0·6	146	0	3	0·65	—	38·1	- 0·8	36	- 1
	London (Brixton)	75	50	72·4	55·6	63·5	+ 1·1	151	0	3	0·54	+ 0·03	40·8‡	+ 0·5‡	39‡	+ 1‡
	Wisley (Surrey)	74	47	70·4	54·3	61·9	- 0·5	139	0	5	0·56	—	48·6	—	46	—
	Swarraton (Alresford) ℌ	73	40	68·6	52·3	60·0	+ 1·0	126	0	5	1·35	+ 0·75	*	*	*	*
	Tunbridge Wells ℌ	74	47	70·3	53·5	61·4	+ 0·4	136	0	3	0·37	—	49·3	—	47	—
	Dungeness	71	49	67·6	57·0	62·0	+ 0·5	140	0	4	0·53	+ 0·15	45·9	—	43	—
	Hastings (St. Leonards)	70	52	67·4	56·6	61·7	+ 0·5	138	0	3	0·53	0·00	46·5	- 3·4	44	- 3
	Southampton	77	49	71·6	56·2	63·4	+ 1·3	150	0	5	1·16	+ 0·58	40·4	- 7·6	38	- 7
	Portland Bill	68	55	66·9	57·3	61·8	+ 1·5	139	0	3	0·86	—	*	*	*	*
	Shaftesbury ℌ	71	48	65·6	52·7	58·8	- 0·6	118	0	5	1·32	+ 0·38	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	65	47	62·2	50·4	56·0	- 1·0	98	0	6	2·12	+ 0·92	*	*	*	*
	Glasgow	64	51	62·0	51·9	56·7	- 0·2	103	0	6	1·52	+ 0·68	38·7	+ 8·4	35	+ 8
	Cally ℌ	69	42	64·4	46·4	54·9	- 2·1	90	0	6	1·82	+ 0·86	*	*	*	*
	Aspatria	66	50	63·0	52·7	57·5	- 0·1	109	0	5	0·75	—	41·6	—	38	—
	Douglas (Isle of Man)	66	47	62·4	51·6	56·7	- 0·4	103	0	4	0·75	- 0·02	49·4	+ 8·0	45	+ 8
7. ENGLAND, N.W.	Newton Rigg	65	46	62·3	50·5	56·1	- 0·7	99	0	5	1·34	—	44·2	—	41	—
	Stonyhurst	65	49	62·6	53·0	57·5	- 0·6	109	0	5	1·08	+ 0·02	34·4	- 1·8	32	- 2
	Blackpool ℌ	68	48	64·5	54·0	58·9	- 0·4	118	0	6	1·14	+ 0·40	49·8	+ 12·2	46	+ 11
	Manchester (Prestwich)	67	45	64·7	52·2	58·1	- 0·4	113	0	5	1·37	+ 0·53	31·1	—	29	—
	Liverpool Obsy. (Bidston)	67	49	65·0	53·4	58·9	- 0·8	118	0	4	1·01	+ 0·36	45·6	—	42	—
	Chester (Hawarden Bridge)	69	48	66·6	53·4	59·6	- 0·4	123	0	4	0·72	—	*	*	*	*
	Llandudno ℌ	69	51	66·3	54·7	60·2	+ 0·1	127	0	4	0·40	- 0·20	43·6	+ 5·1	40	+ 5
	Holyhead	70	52	64·6	53·7	58·8	0·0	118	0	6	0·76	+ 0·14	*	*	*	*
	Bettws-y-Coed	70	45	67·7	49·7	58·2	- 1·3	113	0	5	0·68	—	33·8	—	32	—
8. ENGLAND, S.W.	Llangammarch Wells	68	37	65·4	48·1	56·2	- 2·4	99	0	5	2·11	—	36·1	—	34	—
	Pembroke	64	52	62·3	56·0	59·0	0·0	119	0	5	0·58	- 0·03	46·2	+ 1·2	44	+ 1
	Cardiff	69	42	67·7	52·2	59·5	- 1·5	123	0	5	1·27	—	*	*	*	*
	Clifton	71	51	67·8	55·0	61·0	+ 0·3	133	0	4	0·96	+ 0·22	*	*	*	*
	Bath	71	44	68·3	52·9	60·1	- 1·3	127	0	5	1·21	+ 0·61	49·4	—	47	—
	Arlington (N. Devon)	68	44	65·1	51·0	57·6	- 0·9	109	0	6	1·26	+ 0·21	*	*	*	*
	Cullompton ℌ	72	41	68·4	51·3	59·3	- 1·2	121	0	4	1·34	+ 0·69	37·7	- 4·4	36	- 4
	Falmouth	69	52	66·9	55·5	60·9	+ 0·7	132	0	4	0·72	- 0·03	49·8	+ 0·4	47	0
	Plymouth	72	47	66·7	54·6	60·3	- 0·7	128	0	4	0·96	+ 0·31	45·0	- 0·6	43	- 1
9. IRELAND, N.	Malin Head	63	48	60·1	49·9	54·7	- 2·8	89	0	6	1·23	+ 0·53	*	*	*	*
	Edenfel (Omagh)	65	45	61·9	50·1	55·7	- 1·1	96	0	7	1·09	+ 0·25	*	*	*	*
	Blacksod Point	66	45	63·0	52·6	57·5	- 0·4	109	0	5	0·64	- 0·29	*	*	*	*
	Markree Castle	67	43	64·4	49·4	56·5	- 0·4	102	0	7	0·99	+ 0·11	39·9	+ 10·2	37	+ 9
	Armagh	66	47	64·6	51·4	57·6	+ 0·1	109	0	5	1·24	+ 0·50	51·0	+ 21·3	47	+ 20
	Donaghadee	66	47	62·6	51·6	56·8	- 0·5	104	0	7	1·43	+ 0·73	*	*	*	*
10. IRELAND, S.	Dublin	68	48	66·3	53·5	59·5	- 0·1	123	0	7	1·56	+ 0·91	48·3	+ 11·1	45	+ 10
	Birr Castle	70	44	65·6	51·4	58·1	- 0·4	113	0	6	0·77	- 0·01	47·8	+ 16·2	45	+ 15
	Kilkenny	68	42	65·3	51·1	57·8	- 1·1	111	0	4	0·56	- 0·13	*	*	*	*
	Waterford	69	46	67·0	53·7	60·0	+ 1·0	126	0	3	1·65	+ 0·77	*	*	*	*
	Roche's Point	66	47	64·0	53·6	58·5	- 1·1	116	0	4	1·84	+ 1·06	*	*	*	*
	Valencia	64	50	62·1	54·0	57·8	- 1·1	111	0	6	0·95	- 0·08	37·8	+ 3·0	36	+ 3
	Killarney	68	48	65·8	52·6	58·8	- 0·3	118	0	6	1·17	+ 0·22	*	*	*	*
	Foynes	68	49	63·3	53·4	58·1	0·0	113	0	7	1·26	+ 0·42	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	66	55	65·3	57·0	60·9	+ 0·2	132	0	4	1·01	+ 0·47	54·9	+ 3·7	52	+ 4
	Jersey (St. Aubyn's)	72	58	68·9	59·7	64·0	+ 1·3	154	0	3	0·51	- 0·03	44·0	- 11·4	42	- 11

Information for Stations marked ℌ is supplied by the Royal Meteorological Society, and that for Stations marked ℌ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

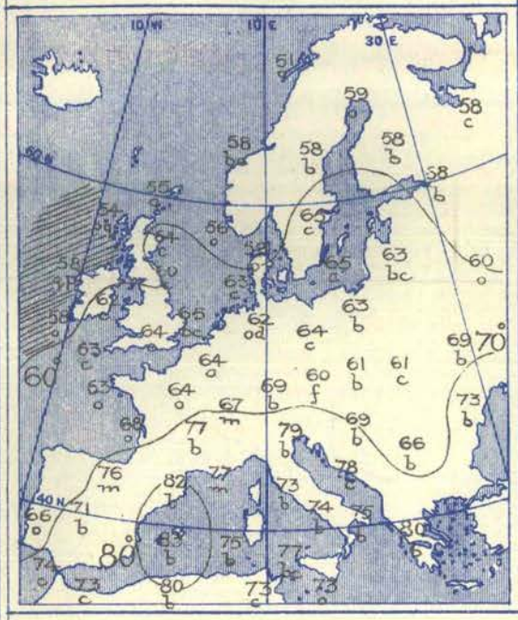
‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 30th July, 1905.

Temperature and Weather.

8 a.m.

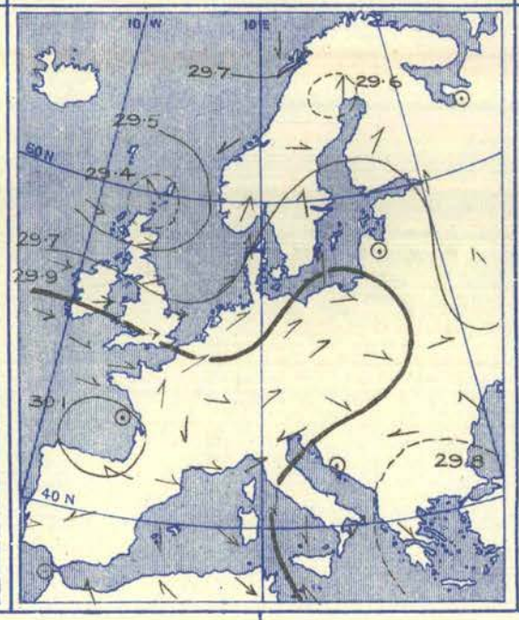


Weather at 8 a.m. cloudy or overcast in most parts of our Islands, with showers in the north-west of Ireland. Fair or fine and bright over our area generally, but rainy at Aix-la-Chapelle and Cuxhaven. Rain later in Scotland, Scandinavia, Russia, and Germany—largest amounts 0·8 in. at Oxö and 1·1 ins. at Moscow.

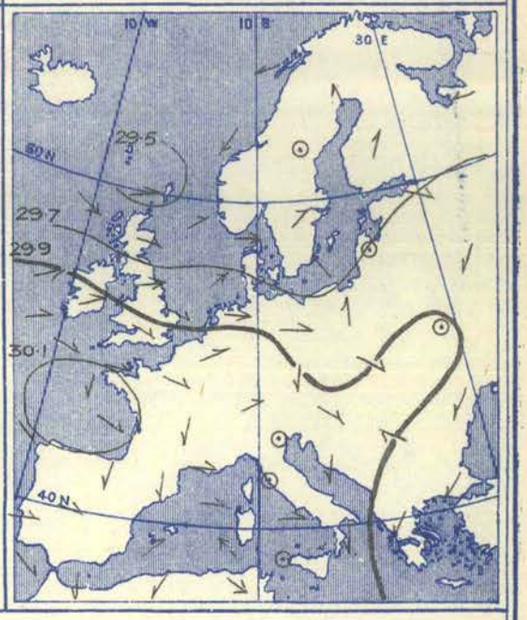
Temperature in morning ranging from 82° at Nice and Barcelona, 80° at Algiers and Athens, and 79° at Trieste to 54° at Stornoway, and 51° at Bodö. Rising subsequently to above 70° in some parts of Sweden and the south of England, to above 80° over France, central, and southern Europe, and above 90° in places. Highest values, 94° at Perpignan and Florence. Maxima not many degrees above 60° on our north-west and north coasts.

Barometer and Wind.

8 a.m.



6 p.m.



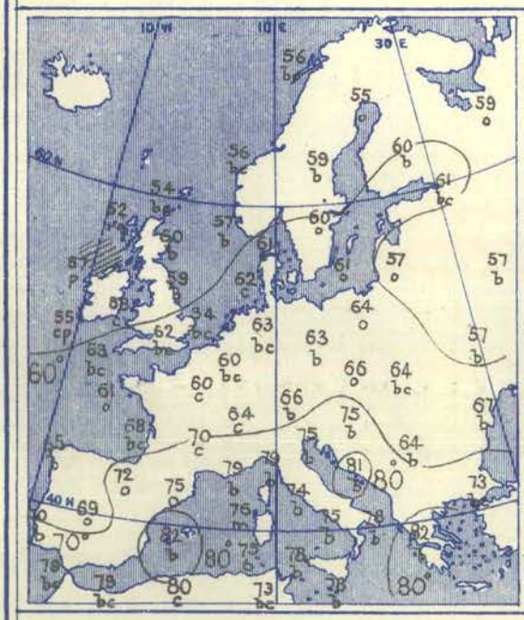
Wind at 8 a.m. showing an extensive cyclonic circulation around the north of Scotland. Westerly current strong or fresh in most parts of the United Kingdom, but little force elsewhere. Mainly anticyclonic and light over the central regions of Europe. Little change later except some decrease in force over this country.

Barometer at 8 a.m. highest, 30·1 ins. and above, in an anticyclone centred over the Bay of Biscay and above 30·0 ins. over South Germany and Bohemia. Lowest, 29·4 ins. and less in a depression having its centre between the Orkneys and Shetlands, and below 29·6 ins. in another system over the north of the Gulf of Bothnia. A shallow low pressure area also shown over the Gulf of Genoa.

Monday, 31st July, 1905.

Temperature and Weather.

8 a.m.

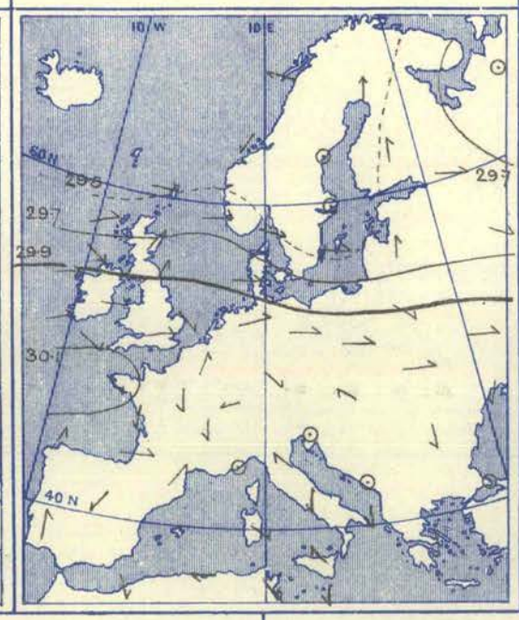


Weather at 8 a.m. rainy or showery on our most western coasts; fine and bright over our area as a whole, but overcast in a few localities. Rain—mostly in small amounts—experienced later over our western and northern districts and in some parts of northern Europe, and thunderstorms occurring at some French stations.

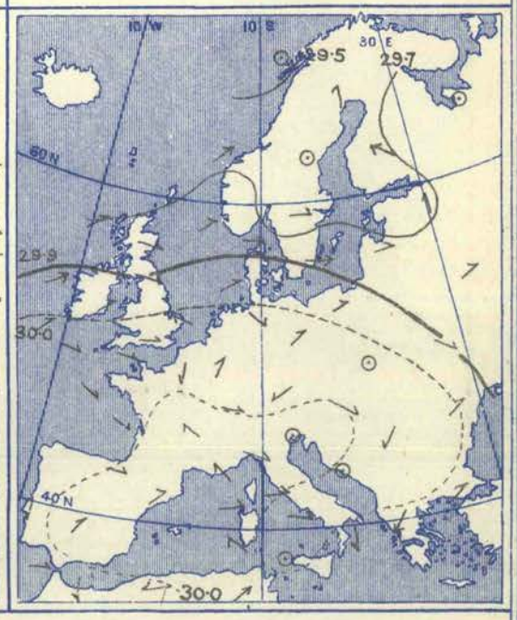
Temperature fallen in most parts of western Europe. Morning readings ranging from 82° in Greece and at Palma, 81° at Lesina, 79° at Nice, and 75° at Buda-Pesth, to below 60° in most parts of our Islands and Scandinavia. Lowest value, 52° in the Hebrides. Rising during afternoon to 97° at Patras, 95° at Marseilles, 91° at Algiers, and to between 80° and 90° in the south generally. Maxima in the United Kingdom nearly all below 70°.

Barometer and Wind.

8 a.m.



6 p.m.

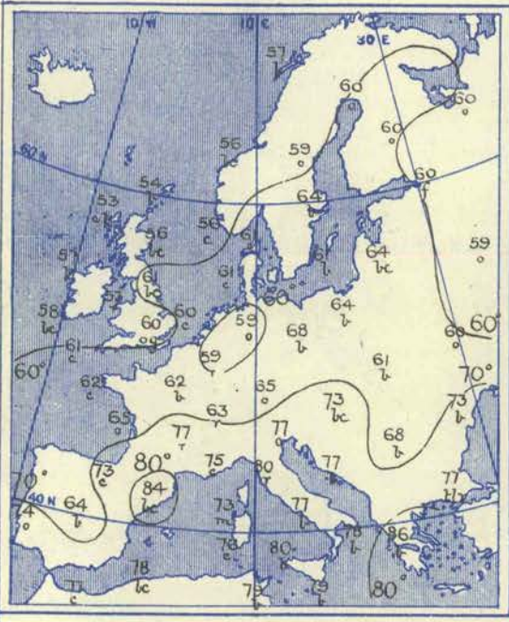


Wind in morning mainly Westerly over the more northern countries; strong over the Baltic and on the north-west coast of Ireland. Light airs from various directions prevailing over central and southern Europe. No important change during day.

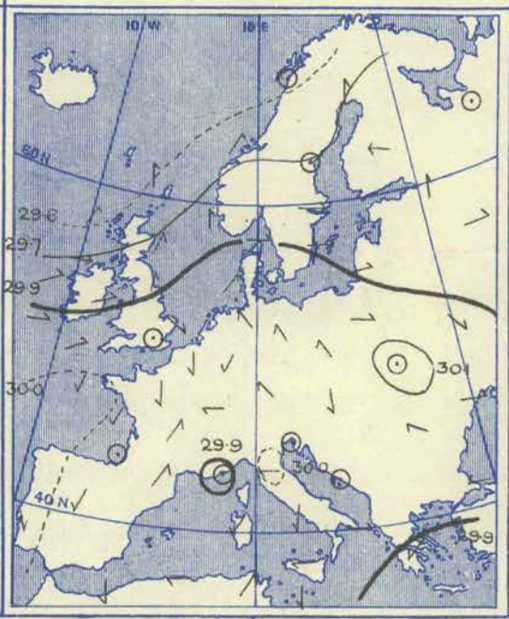
Barometer at 8 a.m. highest, 30·0 ins. and upwards in a large area extending from the Bay of Biscay to the western shores of the Black Sea. Lowest, 29·6 ins. and less over Scandinavia and the adjacent portion of the Ocean. No change in the general distribution taking place later.

Tuesday, 1st August, 1905.

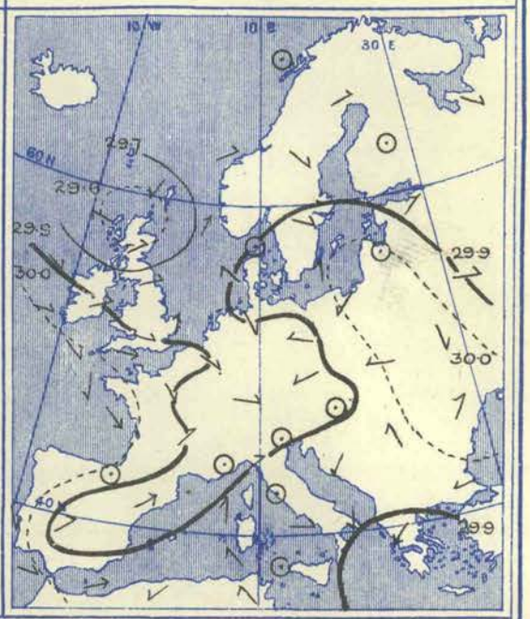
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. showery on our most north-western coasts and rain falling at Leghorn, Brussels, and in some parts of France; fair or fine generally. A little rain later in the north and west of these Islands and considerable or heavy falls in various continental regions, thunderstorms over France and at Bilbao. As much as 1·5 in. of rain at the latter station and 2·0 ins. at Turin.

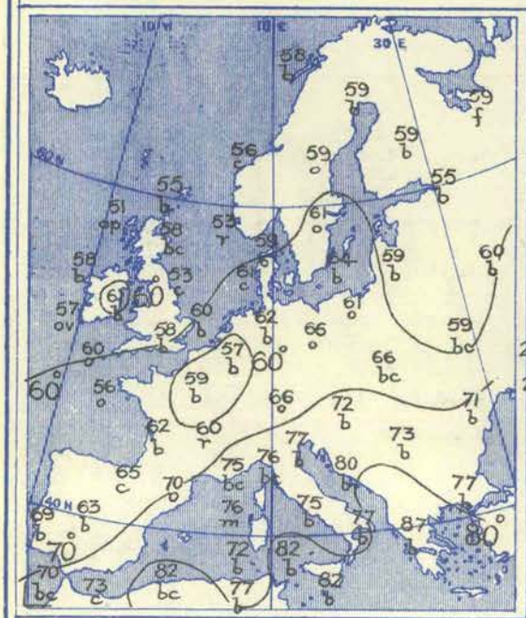
Temperature changed little and irregularly. Morning values highest, 86° at Patras, 84° at Barcelona, 80° at Palermo and Leghorn, 77° at Lyons, 73° at Buda-Pesth and Odessa. Lowest, 53° at Stornoway, below 60° at nearly all our own stations and in Norway. Maxima during day 99° at Aumale, 97° at Patras, 91° at Buda-Pesth and Rome, above 80° in many parts of Germany, France, and Spain, and 70° in Sweden and at some of our own stations.

Wind in morning Westerly or South-Westerly over our Islands and Scandinavia; light or moderate generally, but strong at Malin Head and blowing a fresh gale in the Isle of Gothland. Light and variable in most other regions, but a cyclonic circulation prevailing over most of central and eastern Europe. No great change later as a whole, but a light North-Easterly breeze setting in in the Shetlands and Hebrides.

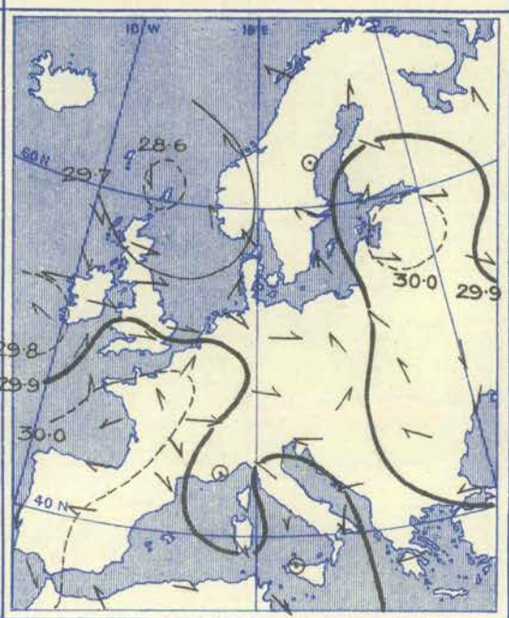
Barometer at 8 a.m. ranging from above 30·1 ins. in a large anticyclone centred over Poland, and from above 30·0 ins. in Portugal to below 29·9 ins. in depressions over Greece and off the south of France, and to less than 29·6 ins. in a large disturbance off the north of Scotland. Southern low pressure systems increasing in depth during day and that in the north moving southwards. No change occurring in the general distribution of pressure.

Wednesday, 2nd August, 1905.

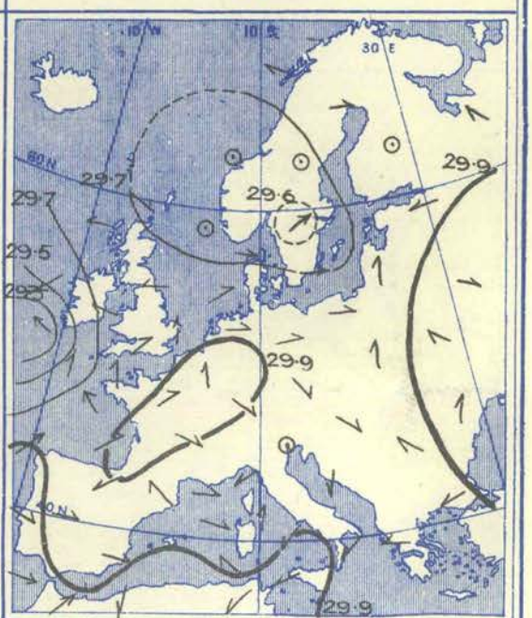
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. dull in the south of Ireland, showery in the Hebrides, and rainy in a few parts of Scandinavia and Germany. Generally fair or fine elsewhere. Rain setting in over Ireland during day and extending to most parts of our Islands during the ensuing evening or night. Heavy rain experienced in Sweden, at some stations in central Europe, and the north of Italy; a thunderstorm occurring at Turin.

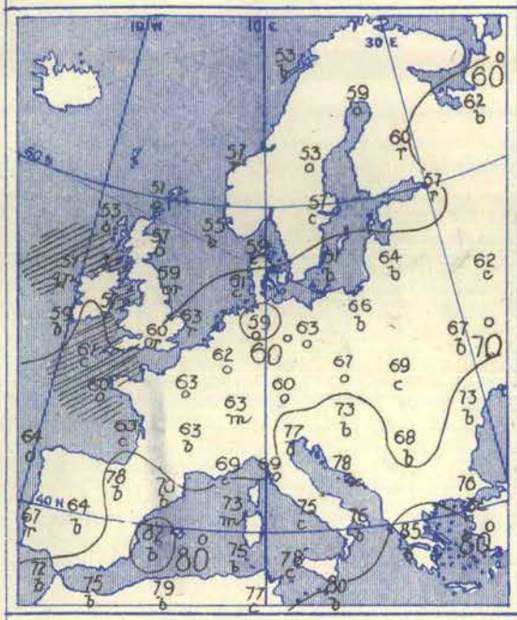
Temperature changed irregularly. Morning values ranging from 87° at Patras, above 80° at a few other stations in the extreme south, 77° at Trieste, and 70° at Vienna, to below 60° over most parts of northern Europe and our Islands. Rising to about 70° in several parts of this country during day, to 80° or above over central and southern Europe, and on the north coast of Africa. Highest readings, 95° at Patras and 99° at Tunis.

Wind in morning anticyclonic both over Russia and the Bay of Biscay region, cyclonic elsewhere, the chief circulation being shown around the Shetlands. Easterly in the west and south of Ireland and Southerly in the south-west of England. Scarcely any force beyond a moderate breeze. Increasing to a fresh gale from East-South-East by 6 p.m. on the south-west coast of Ireland and to a Southerly or South-Easterly gale on many parts of our south-west coasts during the night.

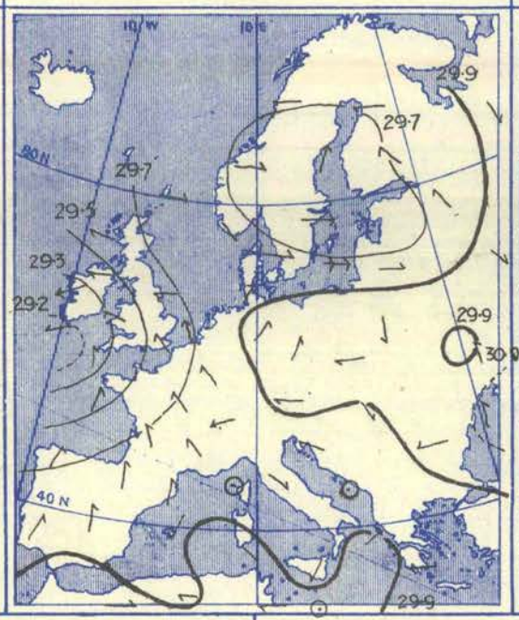
Barometer at 8 a.m. highest, 30·1 ins. and upwards over the greater part of the Bay of Biscay and France and over the southern half of Russia. Lowest, 29·6 ins. and less in a depression centred near the Shetlands. Relatively low in other systems over North Germany and Corsica, and also in a depression approaching Ireland. Barometer falling rapidly in Ireland later, and very briskly in the west of England. Gradients becoming steep on our west and south-west coasts.

Thursday, 3rd August, 1905.

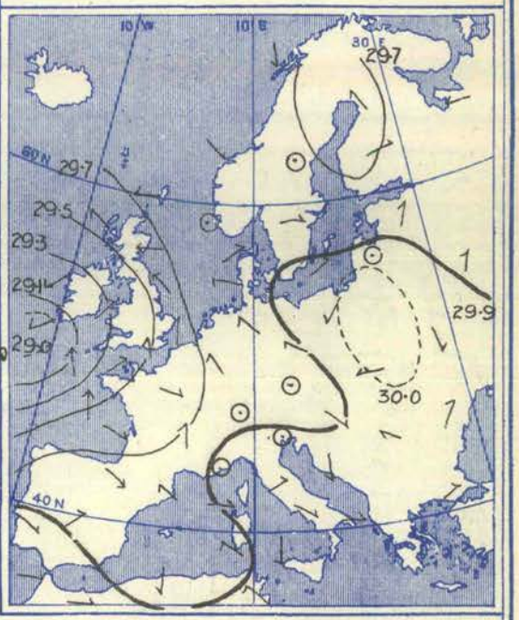
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. dull and rainy in nearly all parts of these Islands and their immediate neighbourhood, as well as at Lisbon, Kuopio, St. Petersburg, and Christiansund. Fair or fine in other regions, but overcast at some stations in central Europe and rainy at Florence. Rain later in many of the northern Continental countries and continuing most of day in various parts of these Islands. Largest amounts, 0·7 in. at Archangel, 0·8 in. at Aberdeen, and 1·1 in. at Roche's Point. Thunderstorms experienced over our own north-western districts, at Toulon, and in Algeria.

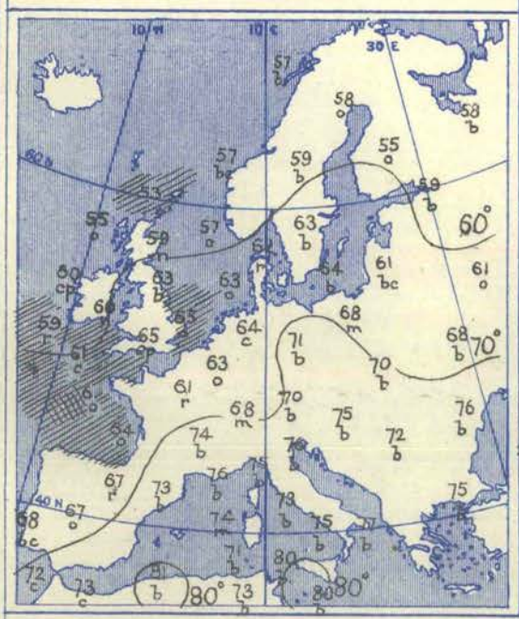
Temperature fallen in most places. Morning readings highest, 85° at Patras, 82° at Palma, 80° at Malta, 79° at Biarritz, 73° at Buda-Pesth and Odessa. Lowest, 51° at Sumburgh Head, 53° at Stornoway and Hernösand, 54° at Holyhead, below 60° in most parts of the United Kingdom and Scandinavia. Thermometer continuing below 70° all day at most parts of our own stations, but rising to 91° at Limoges, 93° at Buda-Pesth, and to 97° at Bordeaux.

Wind at 8 a.m. South-Easterly over England, and Easterly in Scotland and Ireland; fresh or strong at most English and Irish stations, with a gale at Portland Bill. Light and rather variable airs prevalent in most Continental regions, but Westerly winds, strong to a gale, at Stockholm and Wisby. Gale subsiding during day at Portland Bill and in Sweden, but wind increasing in force in most parts of our Islands by the evening or at night.

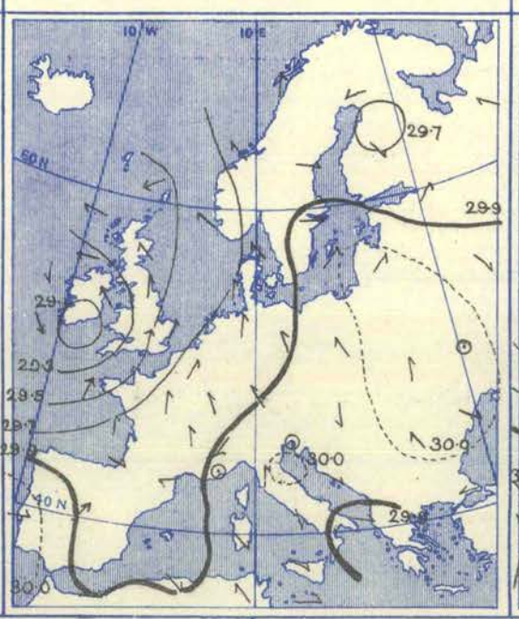
Barometer in the morning highest, above 29·9 ins. over the Mediterranean region and the greater part of central Europe. Lowest, 29·2 ins. and less in a depression centred off the south-west of Ireland. Relatively low in another system over Scandinavia. Barometer continuing to fall briskly in Ireland and the west of England, and gradients becoming steep by evening over our south-western districts and Brittany.

Friday, 4th August, 1905.

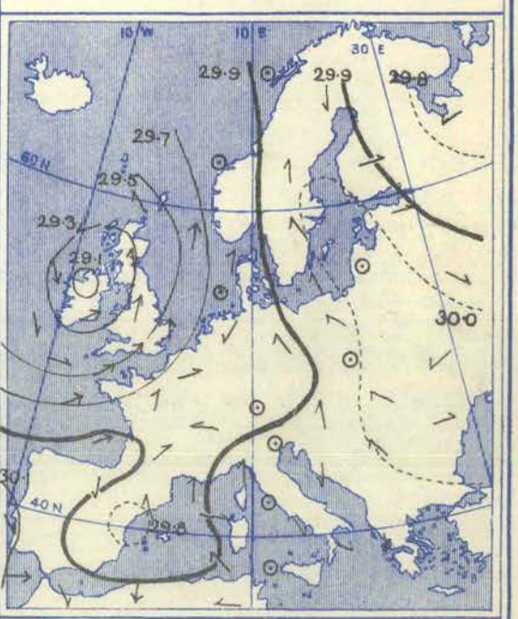
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very unsettled over our Islands and their neighbourhood, with passing showers or steady rain in several places. Rain also falling in the south-west of France and over Denmark. Fair or fine in most other regions. Heavy rain later over the western and northern departments of France, with thunderstorms in a few places and heavy rain also falling at Faerder.

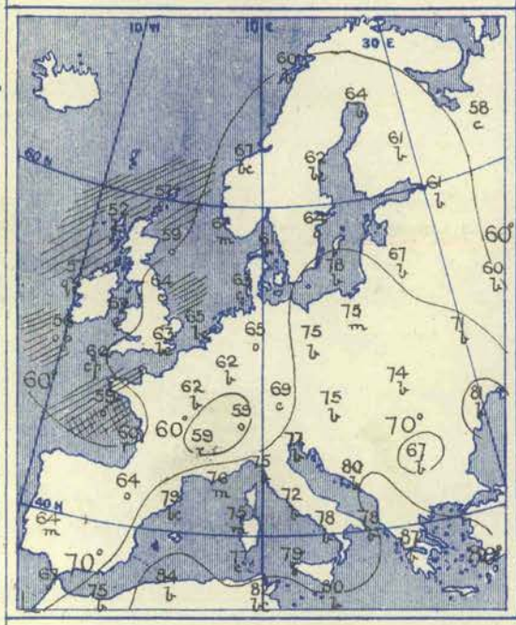
Temperature risen in most regions. Morning values ranging from 86° at Aumale, 84° at Barcelona, 78° at Frankfort, 76° at Odessa, 75° at Buda-Pesth, and 71° at Berlin, to below 50° in most parts of Scotland and the extreme north of the Continent. Lowest reading, 53° at Sumburgh Head. Rising subsequently to a little above 70° at some of our own and Swedish stations, to above 80° in the more southern and central countries, and to above 90° in places; highest figures, 93° at Frankfort, 97° at Patras, and 100° at Algiers.

Wind at 8 a.m. showing a complete cyclonic circulation over our Islands; Easterly current in Scotland light, but that from the Southward over England and Wales strong to a gale. Mainly light and anticyclonic over the eastern part of the Continent, but a feeble cyclonic movement prevailing over Finland. Southerly winds increasing to a slight gale later in various other parts of England and to a strong breeze on the south-west coast of Norway.

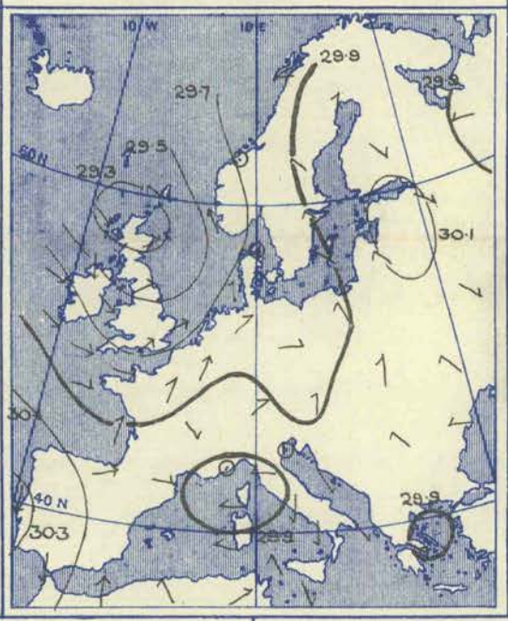
Barometer at 8 a.m. highest, 30·0 ins. and upwards in an anticyclone extending from the Baltic to the Black Sea and also over Portugal. Lowest, about 29·0 ins. in a deep depression having its centre over the St. George's Channel. Below 29·7 ins. in another system over Finland. A shallow depression forming by evening over the west of Germany and the east of France, and a small minimum appearing over the north-east of Spain. Finnish disturbance travelling away eastwards, and that over the St. George's Channel moving northwards.

Saturday, 5th August, 1905.

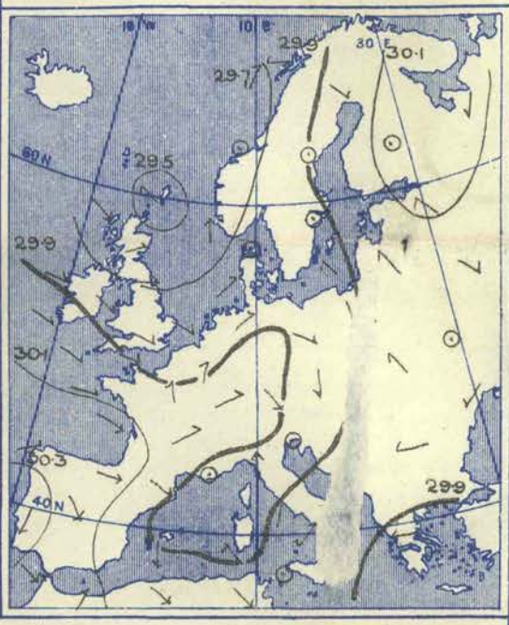
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast over the United Kingdom, with showers in the west and south-west and steady rain in Scotland. Fair or fine in most Continental regions, but dull, with some rain, in the west of France and also in the south of Scandinavia, a thunderstorm prevailing at Karlstad. Thunderstorms experienced later over the south-east and east of England and in the south Midlands, and very heavy rain in some parts of the Continent,—1·5 in. at Munich, 1·6 in. at Nice, and 2·4 ins. at Groningen.

Temperature fallen in most places, but risen over the northern half of the Continent. Morning values highest, (1) 87° at Patras, 84° at Algiers, and about 80° at several other southern stations, (2) 77° at Memel, 75° at Neu-Fahrwasser, 73° at Wisby. Lowest, 52° at Stornoway, 55° at Birr Castle, 59° at Brest, and 58° at Archangel. Maxima during day 99° at Tunis, above 90° in several other southern regions, and above 80° in central Europe and at Wisby. Thermometer remaining below 70° in nearly all parts of our Islands.

Wind in morning light and anticyclonic over Russia, cyclonic in most other regions, a complete circulation prevailing over our Islands and their vicinity. North-Westerly current fresh or strong on all our western coasts and Southerly wind blowing freshly on our south-east coasts. Little change later as a whole, but wind increasing greatly in force at Palma and on the east coast of Spain.

Barometer at 8 a.m. highest, above 30·2 ins. over Portugal, and above 30·1 ins. in a large anticyclone centred over the Gulf of Finland. Lowest, less than 29·3 ins. in a depression having its minimum over the north of Scotland, relatively low over the Mediterranean and North Germany. Northern depression remaining almost stationary during day. Pressure increasing decidedly over the north and west of our Islands, the Spanish Peninsula, and the west of France.

IV.—GENERAL NOTES, etc.

No well marked area of high pressure appeared over any part of our area, but, as a rule, the barometer was highest over the south-western countries. Low pressure areas were numerous and affected almost all regions at some time during the period. Nearly all the systems were shallow, but one that came from the Atlantic soon after the middle of the period was deep for the time of year, the barometer at its centre falling to 29·0 ins. On Wednesday evening its central space was not far from the south-west of Ireland, but it was not until Friday morning that it had advanced within our area. It then lay over the St. George's Channel and subsequently travelled rather slowly northward and north-north-eastwards, and finally disappeared to the northward of the Shetlands after having become much less deep. Strong winds or gales accompanied this disturbance over the greater part of these Islands and the adjacent seas and channels, but as a whole the winds experienced during the period were light. Except in the most southern regions the general character of the weather was somewhat unsettled. Some very heavy falls of rain occurred in various parts of central Europe and in the Italian lake district. Temperature exceeded 90° in several southern localities during the afternoons and, on Friday, was equally high at some German stations.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 182.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	38·2	+ 9·0	34	+ 8
STRATHPEFFER SPA	25·4	− 2·6	23	− 2
CRATHES	44·7	—	40	—
BALRUDDERY	37·0	—	33	—
EDINBURGH	47·1	+14·3	43	+ 13
COCKLE PARK	54·6	—	50	—
NEWCASTLE-on-TYNE	47·3	—	43	—
SALTBURN-by-the-SEA	55·3	—	51	—
YORK	44·3	+ 8·3	41	+ 8
SKEGNESS	59·6	—	55	—
CROMER	49·7	—	46	—
LOWESTOFT	47·2	—	44	—
DUNMOW	47·0	—	44	—
SHEFFIELD	41·3	—	38	—
WORKSOP	33·8	− 0·9	31	− 1
MARGATE	41·9	− 1·7	40	− 2
BROADSTAIRS	—	—	—	—
RAMSGATE	42·9	—	41	—
EASTBOURNE	40·8	− 8·4	39	− 8
BRIGHTON	42·8	− 7·7	41	− 7
WORTHING	44·8	—	43	—
BOGNOR	47·2	—	45	—
VENTNOR HOSPITAL	43·7	− 3·6	42	− 3
BOURNEMOUTH	41·2	—	39	—
MARLBOROUGH	36·9	− 4·4	35	− 4
SOUTHPORT	44·8	—	42	—
RHYL	—	—	—	—
ABERDOVEY	46·1	—	43	—
TENBY	53·6	+ 8·5	51	+ 8
TORQUAY	50·5	+ 2·0	48	+ 2
NEWQUAY	58·4	+ 10·9	56	+ 10
GUERNSEY	45·1	− 11·0	43	− 10

Reports received too late for insertion in their proper places.

Twenty-Eighth Year. Volume XXII. (New Series). Weekly Issue.	Names of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 26, page 152	Liverpool	—	—	—	—	—	—	—	—	—	—	—	49·3	—	42	—
,, 28, ,, 164	Tunbridge Wells	82	55	76·9	57·5	66·5	+ 5·7	172	0	0	0·00	—	65·3	—	58	—
,, 29, ,, 174	Broadstairs	—	—	—	—	—	—	—	—	—	—	—	60·5	—	55	—

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* } No. 32. THIRTY-SECOND WEEK, ENDING SATURDAY, AUGUST 12TH, 1905.

Price 6d.
Annual Subscription post paid £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

DISTRICTS. (See p. 188.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
	°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts. 0. SCOTLAND, NORTH	70	42	59·7	47·9	53·5	1 below	81	− 9	0	0	1298	+ 36	476	− 80
1. SCOTLAND, EAST	69	39	63·1	47·6	54·9	1 below	90	−13	0	0	1548	+ 23	505	−100
2. ENGLAND, N.E.	72	39	66·0	50·1	57·6	1 below	109	− 6	0	0	1834	+200	374	−124
3. ENGLAND, EAST	74	44	68·8	52·9	60·4	0 (average)	129	+ 2	0	0	2086	+180	349	−193
4. MIDLAND COUNTIES	75	43	66·9	49·8	57·8	2 below	111	−12	0	0	2007	+ 90	394	−157
5. ENGLAND, SOUTH	76	43	68·0	53·2	60·2	1 below	127	− 9	0	0	2108	+ 30	268	−135
Principal Grazing Districts. 6. SCOTLAND, WEST	67	41	62·7	49·3	55·6	1 below	95	−11	0	0	1716	+ 99	313	−112
7. ENGLAND, N.W.	69	39	64·2	50·4	56·9	2 below	104	−14	0	0	1839	+ 85	273	−131
8. ENGLAND, S.W.	71	44	65·8	51·9	58·4	2 below	115	− 9	0	0	2011	+ 59	222	− 85
9. IRELAND, NORTH	67	41	62·0	50·0	55·6	2 below	95	−14	0	0	1775	+ 52	271	− 81
10. IRELAND SOUTH	71	44	64·3	50·8	57·1	2 below	106	−12	0	0	2122	+152	166	− 92
— CHANNEL ISLANDS	69	55	65·6	56·9	61·0	1 below	133	− 5	0	0	2323	+122	55	− 65

Rainfall.

DISTRICTS. (See p. 188.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
		10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts. 0. SCOTLAND, NORTH	7	14	6 more	166	+32	29·6	+ 5·1
1. SCOTLAND, EAST	5	5	3 less	127	+11	14·8	− 2·7
2. ENGLAND, N.E.	3	5	1 less	94	−12	9·4	− 4·6
3. ENGLAND, EAST	2	1	4 less	101	− 7	11·4	− 2·1
4. MIDLAND COUNTIES	4	4	2 less	105	+ 2	12·6	− 3·0
5. ENGLAND, SOUTH	3	3	3 less	102	+ 2	14·6	− 0·6
Principal Grazing Districts. 6. SCOTLAND, WEST	4	7	3 less	127	+ 7	25·5	− 1·8
7. ENGLAND, N.W.	4	4	4 less	115	+ 3	16·7	− 1·8
8. ENGLAND, S.W.	4	6	2 less	114	+ 2	18·3	− 2·3
9. IRELAND, NORTH	5	9	1 more	142	+ 5	20·0	− 0·2
10. IRELAND, SOUTH	4	7	2 less	130	+ 8	20·2	− 2·6
— CHANNEL ISLANDS	4	4	2 less	121	+ 6	15·3	− 1·8

Bright Sunshine.

DISTRICTS. (See p. 188.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts. 0. SCOTLAND, NORTH	26	− 1	24	− 1	331	+ 15	28	+ 1
1. SCOTLAND, EAST	33	+ 1	31	+ 1	389	+ 29	33	+ 1
2. ENGLAND, N.E.	41	− 1	39	− 1	1082	+ 68	36	+ 2
3. ENGLAND, EAST	44	+ 1	42	+ 1	1193	+ 77	40	+ 3
4. MIDLAND COUNTIES	42	+ 4	40	+ 4	1032	+ 38	35	+ 1
5. ENGLAND, SOUTH	46	0	45	0	1144	+ 31	39	+ 1
Principal Grazing Districts. 6. SCOTLAND, WEST	41	+ 5	39	+ 5	1086	+ 92	36	+ 3
7. ENGLAND, N.W.	38	+ 4	36	+ 4	1086	+172	37	+ 6
8. ENGLAND, S.W.	43	− 1	42	− 1	1074	− 63	37	− 2
9. IRELAND, NORTH	24	− 6	23	− 5	1051	+154	35	+ 5
10. IRELAND, SOUTH	30	− 4	29	− 4	1000	− 11	34	0
— CHANNEL ISLANDS	50	− 4	49	− 4	1218	−102	42	− 4

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather during this period was of a rather unsettled type generally, but fairer in the south and east than elsewhere. Thunderstorms were experienced sometime during the earlier half of the week in many places in the Midland Counties and north and north-east of England and also at some Scotch stations, and on Wednesday or Thursday in the east and south of Ireland.

Temperature was 1° or 2° below the mean over the Kingdom generally, but just equal to it in England E. The highest of the maxima were recorded on somewhat variable dates, and ranged from 76° in England S. and 75° in the Midland Counties to 69° in Scotland E., England N.W. and the Channel Islands, and to 67° in Scotland W. and Ireland N. The lowest of the minima occurred, as a general rule, on the 6th. In Scotland E., England N.E. and N.W. the thermometer fell to 39°, but elsewhere the minima varied from 41° in Scotland W. and Ireland N. to 44° in England E. and S.W. and Ireland S., and to 55° in the Channel Islands.

Rainfall exceeded the mean in Scotland N. and Ireland N., but was less in the other districts.

Bright Sunshine differed little from the the normal, being slightly above it in some districts, and a few hours below it in others. The percentage of the possible duration ranged from 49 in the Channel Islands and 45 in England S. to 29 in Ireland S., 24 in Scotland N., and to 23 in Ireland N.

Barometer and Wind. During the greater part of the week a series of depressions of little depth passed over these Islands from the Atlantic. The wind consequently varied somewhat in direction—especially in the northern districts—but was, as a whole, from some point between South and West. By Friday, however, an anticyclone was extending towards our south-western and southern coasts from the Bay of Biscay, and at the end of the week, when nearly all parts of England and Ireland were under its direct influence, the wind in our extreme southern districts veered to the North-Westward.

3935 Wy. & S. Ltd.
370 8 | 05.

II.—DATA from which the SUMMARY on page 187 has been calculated.

Districts. Aug. 6-12, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head	60	46	57·6	48·6	52·8	− 0·2	76	0	6	0·45	− 0·24	*	*	*	*
	Stornoway	61	49	59·1	49·4	54·0	− 0·3	84	0	7	1·27	+ 0·47	30·9	+ 0·7	28	+ 1
	Wick	70	46	63·1	48·0	55·1	+ 0·4	92	0	6	1·08	+ 0·51	*	*	*	*
	Lairg Ⓢ	65	42	62·0	46·2	53·6	− 0·9	81	0	7	0·99	+ 0·36	*	*	*	*
	Glencarron Ⓢ	61	43	56·7	47·4	51·8	− 2·7	69	0	7	3·40	+ 1·94	*	*	*	*
	Fort Augustus Ⓢ	63	42	59·9	47·6	53·4	− 3·1	80	0	6	1·25	+ 0·54	11·2	− 9·2	11	− 9
1. SCOTLAND, E.	Nairn	67	45	61·1	47·6	54·0	− 2·4	84	0	5	0·50	− 0·10	*	*	*	*
	Aberdeen	68	47	63·1	50·0	56·2	− 0·1	99	0	6	0·41	− 0·25	36·6	+ 1·4	34	+ 1
	Braemar Ⓢ	62	39	58·1	44·7	51·0	− 2·7	63	0	7	0·46	− 0·36	*	*	*	*
	Clathick Ⓢ	67	44	65·4	47·6	56·0	− 1·1	98	0	5	0·76	− 0·07	*	*	*	*
	Leith	69	46	67·0	50·0	58·0	− 0·2	112	0	4	0·42	− 0·17	*	*	*	*
	Marchmont Ⓢ	66	43	63·9	45·4	54·1	− 1·9	85	0	2	0·25	− 0·52	34·5	− 1·0	32	− 1
2. ENGLAND, N.E	Alnwick Castle	68	41	66·2	46·5	55·8	− 1·0	97	0	3	0·98	+ 0·29	*	*	*	*
	Durham	69	39	63·8	47·3	55·1	− 3·1	92	0	4	0·56	− 0·08	28·3	− 5·9	27	− 6
	Shields	68	46	64·7	49·0	56·4	− 1·0	101	0	3	0·72	+ 0·08	*	*	*	*
	Scarborough Ⓜ	71	48	66·1	51·5	58·4	+ 0·1	115	0	3	0·31	− 0·31	37·3	—	35	—
	Spurn Head	68	53	65·9	54·9	60·1	+ 0·8	127	0	1	0·03	− 0·39	*	*	*	*
	Lincoln	72	46	67·4	51·0	58·7	− 1·0	117	0	4	0·24	− 0·31	*	*	*	*
	Fulbeck (Lincolnshire)	72	47	68·0	50·8	58·9	− 0·5	118	0	4	0·46	− 0·08	59·8	—	57	—
3. ENGLAND, E.	Hillington Ⓜ	74	44	71·1	50·5	60·2	+ 0·3	127	0	0	0·00	− 0·63	45·3	+ 4·0	44	+ 4
	Yarmouth	70	48	68·0	54·3	60·7	+ 0·6	131	0	2	0·16	− 0·34	*	*	*	*
	Geldeston	73	46	70·3	51·4	60·3	+ 0·4	128	0	2	0·10	− 0·36	45·8	+ 1·6	44	+ 2
	Cambridge	73	46	69·2	51·3	59·7	− 1·3	124	0	1	0·05	− 0·49	42·0	− 0·9	40	− 1
	Felixstowe	71	51	68·1	54·6	61·0	+ 0·5	133	0	2	0·21	—	44·5	—	43	—
	Clacton-on-Sea	72	49	67·9	54·4	60·8	+ 0·2	132	0	3	0·42	—	40·1	—	39	—
	Rothamsted	70	45	66·8	50·6	58·2	− 1·6	113	0	4	0·07	− 0·48	44·3	+ 0·8	43	+ 1
	Shoeburyness	72	51	68·9	55·9	62·0	+ 0·7	140	0	2	0·05	− 0·35	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	67	44	64·4	47·1	55·2	− 2·4	92	0	4	0·25	− 0·38	45·6	—	43	—
	Bawtry (Hesley Hall)	71	47	68·9	49·7	58·7	− 0·7	117	0	3	0·06	− 0·47	*	*	*	*
	Nottingham	72	46	68·1	50·4	58·7	− 1·4	117	0	4	0·62	+ 0·06	42·7	—	41	—
	Colly Weston (Stamford)	75	45	69·1	49·6	58·8	− 2·0	118	0	4	0·06	− 0·49	*	*	*	*
	Cheadle Ⓜ	68	45	64·6	49·5	56·6	− 0·8	102	0	5	0·80	+ 0·03	*	*	*	*
	Birmingham (Edgbaston)	70	48	65·2	51·2	57·8	− 1·3	111	0	3	0·71	+ 0·09	36·7	—	35	—
	Shrewsbury	70	44	66·4	49·1	57·2	− 2·2	106	0	4	0·69	—	*	*	*	*
	Hereford Ⓜ	70	45	67·3	49·7	58·0	− 2·0	112	0	3	0·39	− 0·15	*	*	*	*
	Cirencester	72	43	66·3	48·4	56·8	− 1·9	104	0	3	0·32	− 0·36	44·8	+ 2·7	43	+ 3
	Oxford	73	49	68·3	52·9	60·1	− 0·6	127	0	2	0·05	− 0·49	45·7	+ 3·3	44	+ 3
	Westminster	72	49	68·0	54·3	60·7	− 1·7	131	0	3	0·29	—	37·7	− 0·6	37	− 1
5. ENGLAND, S.	London (Brixton)	76	45	70·9	52·6	61·2	− 1·0	134	0	4	0·21	− 0·30	39·8‡	+ 0·3‡	39‡	0‡
	Wisley (Surrey)	73	47	68·4	52·8	60·1	− 2·2	127	0	4	0·10	—	46·1	—	45	—
	Swarraton (Alresford) Ⓜ	72	43	67·0	50·0	58·0	− 0·9	112	0	4	0·46	− 0·16	*	*	*	*
	Tunbridge Wells Ⓜ	70	47	68·0	51·2	59·1	− 1·8	120	0	2	0·05	—	49·9	—	48	—
	Dungeness	70	48	67·6	54·4	60·3	− 1·2	128	0	3	0·45	+ 0·05	50·7	—	49	—
	Hastings (St. Leonards)	68	50	66·8	53·5	59·8	− 1·4	125	0	3	0·63	+ 0·10	52·0	+ 3·3	51	+ 3
	Southampton	74	50	70·2	54·2	61·7	− 0·4	138	0	4	0·39	− 0·19	47·6	+ 0·1	46	0
	Portland Bill	68	56	66·0	56·7	61·1	+ 0·4	134	0	3	0·08	—	*	*	*	*
	Shaftesbury Ⓜ												*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	64	47	61·9	50·1	55·7	− 1·4	96	0	7	1·70	+ 0·47	*	*	*	*
	Glasgow	63	48	61·4	51·0	55·9	− 0·9	97	0	5	0·65	− 0·22	33·2	+ 3·7	31	+ 3
	Cally Ⓢ	67	41	65·4	45·9	55·1	− 1·6	92	0	3	0·36	− 0·64	*	*	*	*
	Aspatria	64	47	62·4	50·4	56·0	− 1·3	98	0	4	0·37	—	43·6	—	41	—
	Douglas (Isle of Man)	64	45	62·3	49·0	55·3	− 1·8	93	0	3	0·32	− 0·51	46·1	+ 6·2	44	+ 6
7. ENGLAND, N.W.	Newton Rigg	64	39	61·6	43·8	52·2	− 4·3	71	0	2	0·43	—	34·9	—	33	—
	Stonyhurst	64	43	62·0	49·4	55·3	− 2·7	93	0	5	0·59	− 0·53	35·4	+ 0·9	34	+ 1
	Blackpool Ⓜ	65	44	63·7	52·1	57·6	− 1·6	109	0	4	0·29	− 0·46	43·2	+ 6·9	41	+ 7
	Manchester (Prestwich)	69	47	65·6	49·8	57·2	− 1·2	106	0	5	0·61	− 0·23	34·2	—	33	—
	Liverpool Obsy. (Bidston)	66	52	64·1	53·1	58·3	− 1·4	114	0	6	0·28	− 0·38	43·0	—	41	—
	Chester (Hawarden Bridge)	69	49	66·3	52·0	58·7	− 1·3	117	0	5	0·62	—	*	*	*	*
	Llandudno Ⓜ	67	49	65·3	52·6	58·6	− 1·5	116	0	3	0·08	− 0·55	41·2	+ 3·7	39	+ 4
	Holyhead	65	51	63·3	53·0	57·8	− 1·3	111	0	1	0·19	− 0·46	*	*	*	*
	Bettws-y-Coed	69	44	65·7	47·6	56·1	− 3·3	99	0	5	0·45	—	30·3	—	29	—
8. ENGLAND, S.W.	Llangammarch Wells	67	44	64·5	46·8	55·1	− 3·5	92	0	4	0·43	—	30·7	—	30	—
	Pembroke	64	52	62·3	54·1	58·0	− 1·2	112	0	4	0·68	+ 0·04	52·2	+ 7·7	50	+ 7
	Cardiff	69	46	66·7	50·5	58·1	− 2·8	113	0	5	0·97	—	*	*	*	*
	Clifton	71	52	67·3	54·3	60·4	− 0·3	129	0	2	0·24	− 0·51	*	*	*	*
	Bath	71	46	67·4	51·4	58·9	− 2·1	118	0	3	0·27	− 0·36	43·7	—	42	—
	Arlington (N. Devon)	68	48	64·4	51·3	57·5	− 1·0	109	0	6	0·71	− 0·39	*	*	*	*
	Cullompton Ⓜ	71	47	68·4	50·8	59·1	− 1·3	120	0	4	0·74	+ 0·09	33·0	− 9·0	32	− 9
	Falmouth	68	52	65·6	54·3	59·6	− 0·5	123	0	5	0·65	− 0·12	45·9	− 2·7	45	− 3
	Plymouth	67	50	65·5	53·7	59·3	− 1·8	121	0	4	0·42	− 0·24	45·6	+ 0·4	44	0
9. IRELAND, N.	Malin Head	62	48	59·7	48·9	54·0	− 3·7	84	0	6	1·41	+ 0·69	*	*	*	*
	Edenfel (Omagh)	63	41	61·4	49·0	54·8	− 2·0	90	0	5	0·73	− 0·12	*	*	*	*
	Blacksod Point	62	50	61·1	52·6	56·6	− 1·3	102	0	6	0·97	− 0·07	*	*	*	*
	Markree Castle	66	44	62·9	49·5	55·8	− 1·0	97	0	6	1·13	+ 0·22	22·5	− 7·4	21	− 7
	Armagh	67	46	64·4	49·8	56·7	− 0·8	103	0	5	0·48	− 0·26	25·4	− 3·6	24	− 3
	Donaghadee	65	47	62·6	50·0	55·9	− 1·4	97	0	4	0·64	− 0·10	*	*	*	*
10. IRELAND, S.	Dublin	69	50	65·6	52·5	58·7	− 0·6	117	0	5	0·39	− 0·28	27·1	− 9·9	26	− 9
	Birr Castle	67	44	64·7	49·9	56·9	− 1·6	104	0	4	0·50	− 0·34	32·3	+ 0·6	31	+ 1
	Kilkenny	67	44	64·9	48·9	56·4	− 2·5	101	0	3	0·90	+ 0·15	*	*	*	*
	Waterford	71	48	67·3	51·6	59·0	+ 0·3	119	0	2	0·31	− 0·59	*	*	*	*
	Roche's Point	66	47	63·0	51·6	57·0	− 2·6	105	0	4	0·89	+ 0·04	*	*	*	*
	Valencia	65	46	62·1	50·9	56·2	− 2·9	99	0	5	0·89	− 0·19	31·2	− 3·7	30	− 4
	Killarney	66	44	63·9	49·1	56·1	− 2·9	99	0	3	1·18	+ 0·15	*	*	*	*
	Foynes	65	48	62·7	51·6	56·8	− 1·5	104	0	6	0·71	− 0·19	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	66	55	63·6	56·0	59·6	− 1·1	123	0	4	0·42	− 0·13	48·7	− 3·3	47	− 3
	Jersey (St. Aubyn's)	69	57	67·6	57·7	62·4	− 0·6	143	0	3	0·35	− 0·19	52·5	− 3·0	52	− 3

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

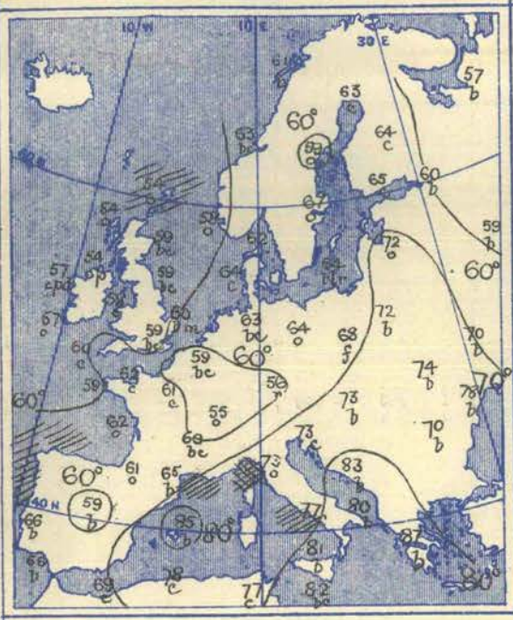
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 6th August, 1905.

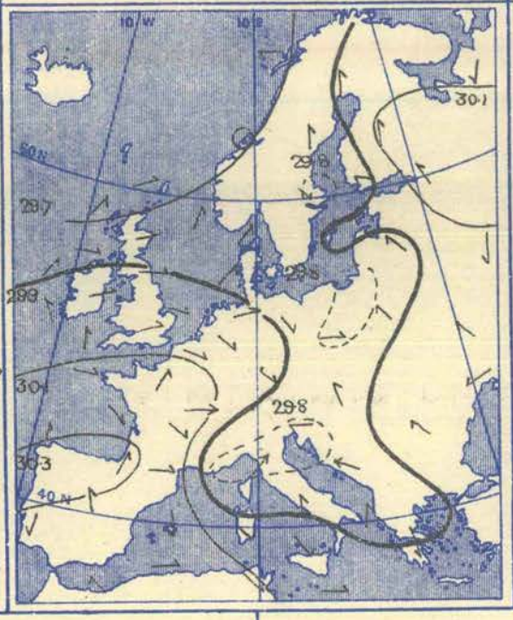
Temperature and Weather. 8 a.m.



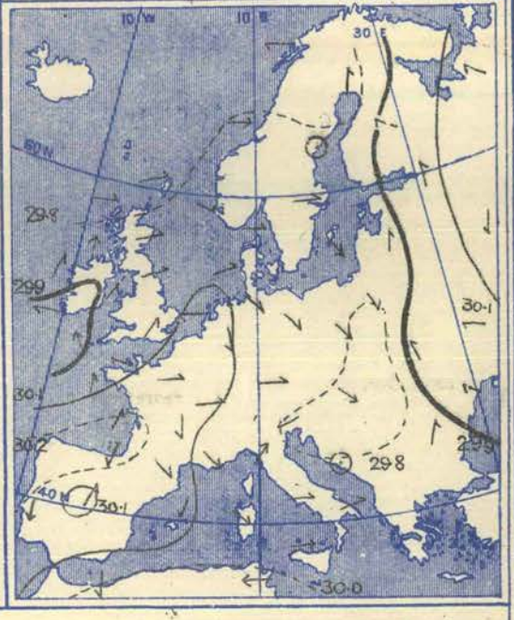
Weather at 8 a.m. fair or fine generally, but showery in the north-west of Ireland, dull and rainy in several parts of Germany, and a thunderstorm prevailing at Wisby. Rain falling later in most parts of this country and heavily at various stations on the Continent—0·9 in. at Breslau and Trieste, 1·3 in. at Prague, and 1·6 in. at Munich.

Temperature fallen generally, especially over central Europe. Morning readings highest, 87° at Athens, 85° at Palma, 83° at Lesina, 78° at Odessa, 72° at Warsaw and Riga. Lowest, 54° in the north of Scotland and at Malin Head, 57° at Archangel, and 59° at Moscow, Brest, and Madrid. Rising subsequently to 70° at Wick, 73° at Stockholm, to about 90° at many southern stations and at Memel. Highest value, 95° at Buda-Pesth. Thermometer only rising to 57° at Munich.

Barometer and Wind. 8 a.m.



6 p.m.

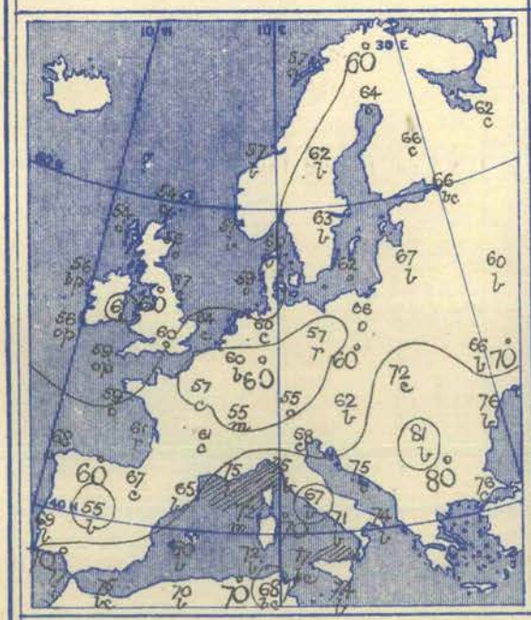


Wind at 8 a.m. anticyclonic over the south-western and also the north-eastern portion of our area; cyclonic elsewhere. A complete circulation prevailing around the north of Italy and another around the east of Prussia. Moderate or light in force generally, but a moderate gale from South-West blowing at Leghorn. A strong breeze from North-West setting in at Cape Sicié by evening and strong Westerly breezes at Palermo and Sanguinaires. Wind backing to east at Valencia, to south-east at Scilly, and to south in Brittany.

Barometer in morning highest, 30·3 ins. and upwards in an anticyclone centred over the northern part of the Spanish Peninsula; above 30·1 ins. in another system over the north of Russia. Lowest, less than 29·7 ins. over the north-eastern part of the Atlantic; below 29·8 ins. in depressions over the north of Italy and its vicinity, the east of Prussia, and the neighbourhood of Stockholm. Barometer falling on our south-west coasts later before the approach of another depression from the westward.

Monday, 7th August, 1905.

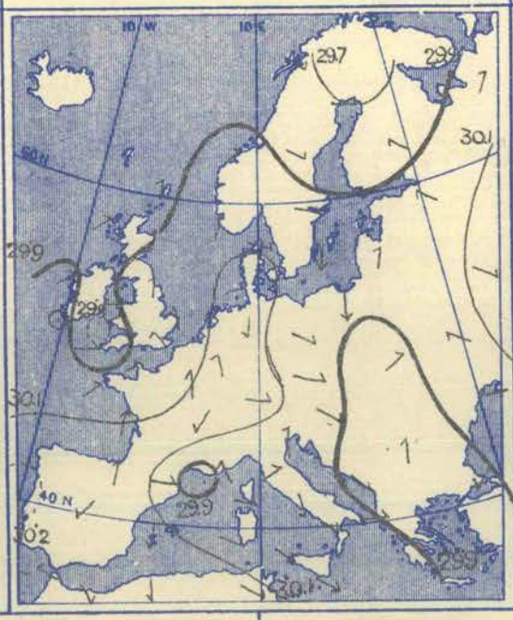
Temperature and Weather. 8 a.m.



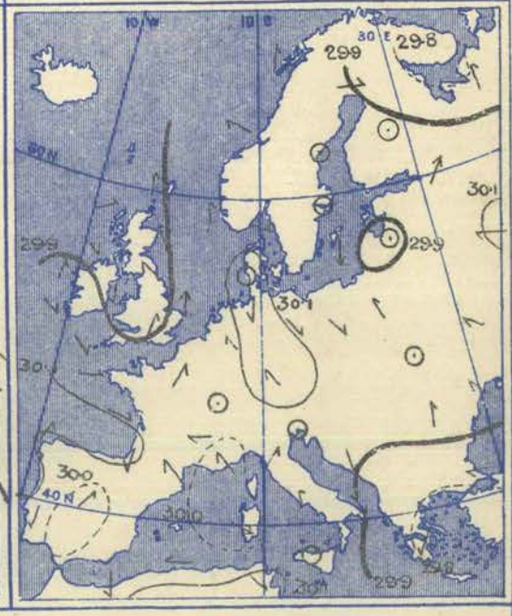
Weather at 8 a.m. cloudy or overcast over our Islands and their vicinity, with rain or passing showers in several parts of Ireland, England, and France. Fair or fine over Europe as a whole, but dull and rainy over Germany. Showers experienced later in most parts of these Islands and thunderstorms occurring in the centre and north-west of England and at Memel. Heavy rain—1·3 in.—at Cracow.

Temperature changed rather irregularly, but fallen in most places. Readings in morning above 70° in most of the southern regions, 80° at Palma, and 81° at Hermanstadt. As high as 69° at Helsingfors. Lowest, (1) 54° on our extreme north and north-west coasts; (2) 55° at Munich, Limoges, and Madrid. Maxima recorded during day, 70° at Skegness and in Sweden, above 80° at St. Petersburg, Memel, and in the southern countries, and to above 90° in places. Highest values, 93° at San Fernando, 95° at Athens, and 97° at Sfax.

Barometer and Wind. 8 a.m.



6 p.m.



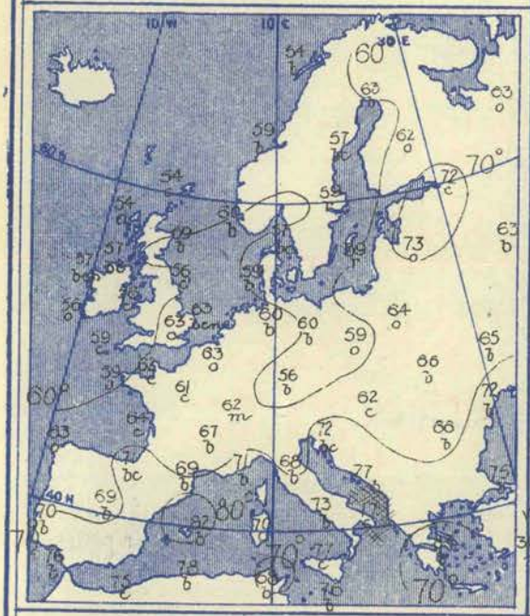
Wind at 8 a.m. showing a cyclonic circulation of little force over our Islands and another of greater strength over the western part of the Mediterranean. Light breezes from various directions prevailing over our area generally. No decided change later.

Barometer at 8 a.m. highest, above 30·1 ins. in an area extending from the Iberian Peninsula to Denmark and in another area over central Russia. Lowest, 29·7 ins. and less in Lapland, below 29·8 ins. in a depression over the Bristol Channel, and less than 29·9 ins. in a small minimum off the south-east of France, and a larger one extending from Poland to Greece. Both high and low pressure systems undergoing considerable modification later. That over our Islands becoming less well defined and somewhat less deep.

Tuesday, 8th August, 1905.

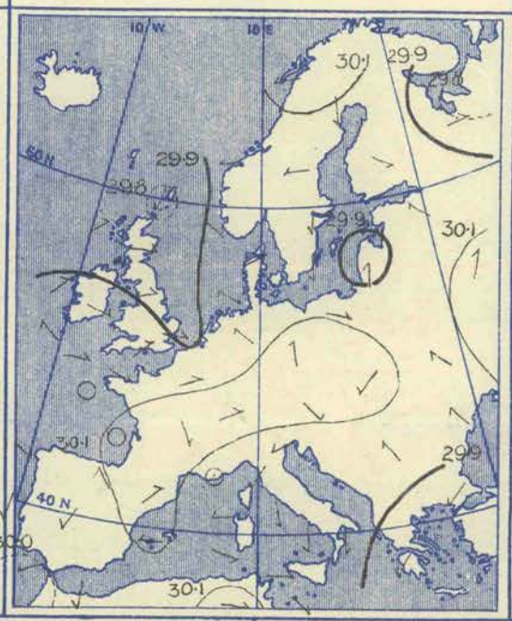
Temperature and Weather.

8 a.m.

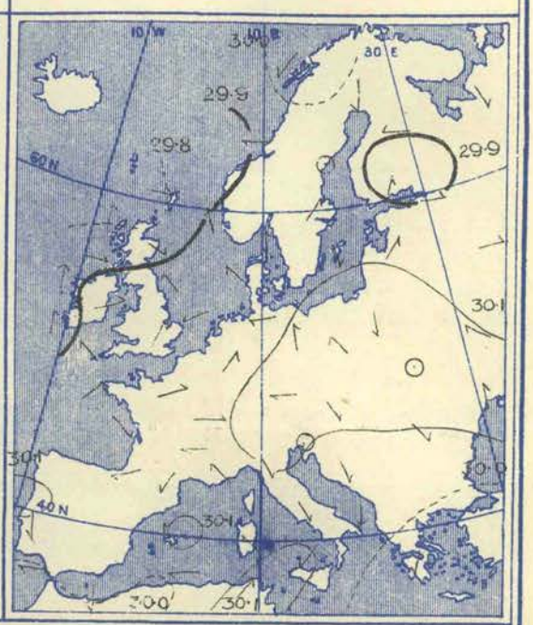


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. fair or fine and bright over our area generally, but dull, with some rain, on the shores of the Baltic and in some parts of Poland. Rain also falling at Limoges and showers at Blacksod Point. More than half an inch of rain later in the west of Ireland and smaller amounts in the west and north of our Islands generally. Rain also experienced in Sweden and Finland—as much as 0·9 in. at Uleaborg.

Temperature risen as a whole, but fallen in Sweden and some parts of central Europe. Morning readings highest, 83° at Athens, 82° at Palma and Barcelona, and above 70° in the south generally, as well as at St. Petersburg and Riga. Lowest, 54° at Bodö, Parsonstown, and the extreme north of our Islands, and 56° at Munich. Rising subsequently to 84° at St. Petersburg, to a few degrees higher in the south of Europe, and to above 100° in the interior of Algeria. Thermometer just exceeding 70° in the north of Sweden and on our own south and south-east coasts.

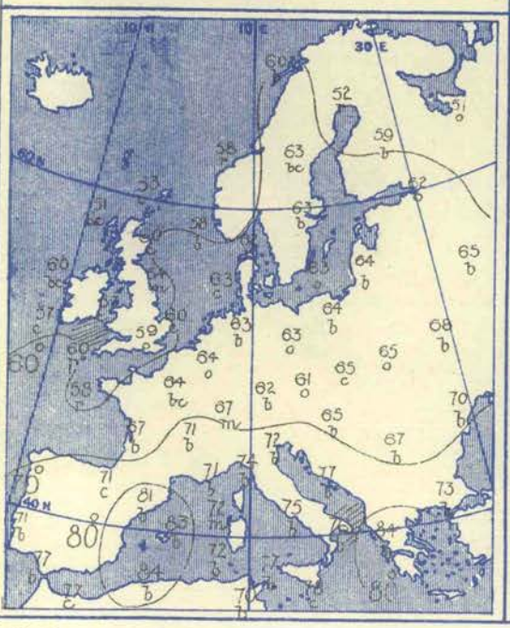
Wind in morning anticyclonic over France and Germany. Complete or partial cyclonic circulations prevailing in almost all other regions; light or moderate in force generally, but a strong Northerly breeze prevailing at Wisby. Wind backing to the southward along all our western coasts by evening.

Barometer at 8 a.m. highest, above 30·1 ins. in an anticyclone extending from the north-east of Spain to Poland, as well as over the north of Norway and the central parts of Russia. Lowest, 29·8 ins. and less in a depression centred near the Shetlands, and below 29·9 ins. both over the Gulf of Riga and the Balkan Peninsula. High pressure over central Europe becoming transferred further to the eastward by evening. Barometer rising slowly over Great Britain, but falling again in Ireland and the west of France.

Wednesday, 9th August, 1905.

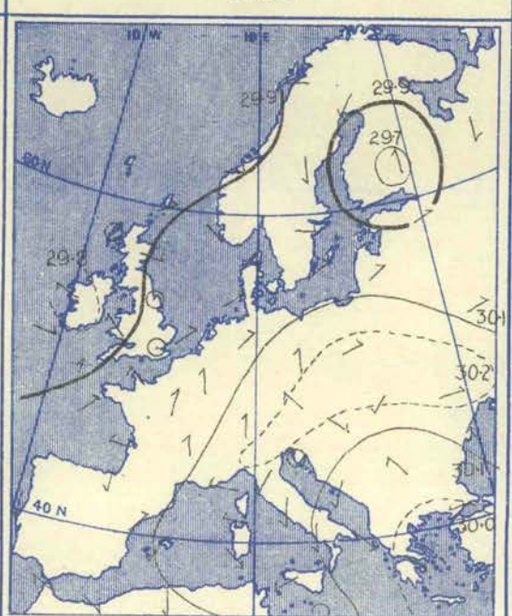
Temperature and Weather.

8 a.m.

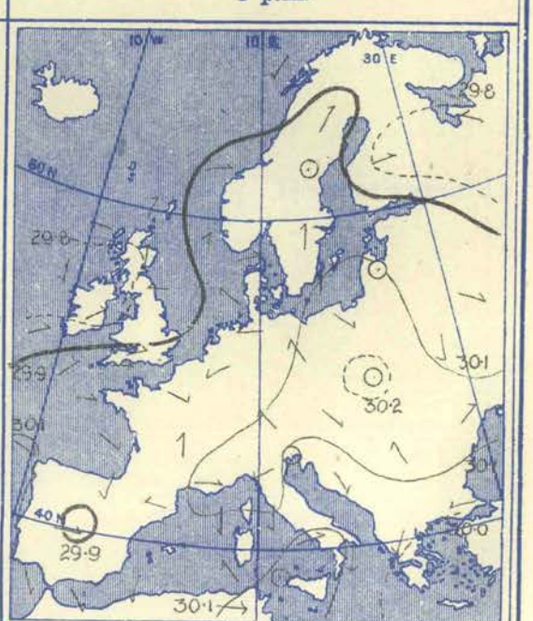


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. cloudy or overcast over our Islands and the adjacent parts of the Continent, with showers at several stations. Fair or fine in most other parts of our area, but rainy at Skagen, Christiansund, and Uleaborg. Rain falling very generally over the United Kingdom later, with thunderstorms or thunder only in a few places. Heaviest rain, 1·00 in. at Malin Head and 0·5 in. at Donaghadee and Nottingham. Thunderstorms experienced at some French stations and rain at Naples and in North Germany.

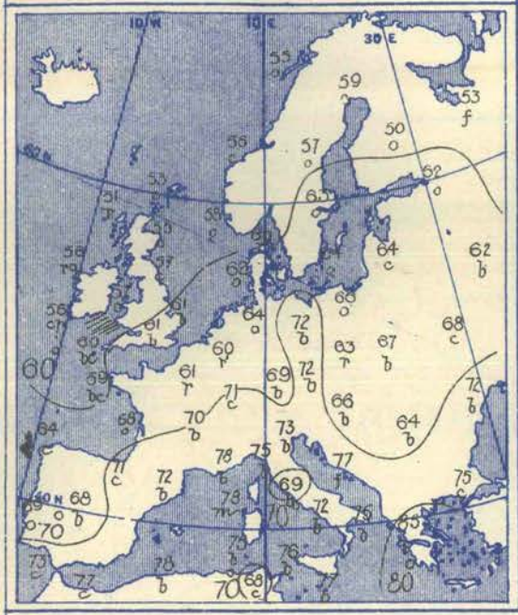
Temperature fallen over England and the north of Russia, risen in most other regions. Morning readings ranging from 88° at Aumale, 84° at Algiers and Patras, and 81° at Barcelona, to 70° at Memel, and to below 60° at most of our own stations and in Finland and northern Russia. Lowest values, 51° at Archangel and Stornoway. Remaining below 70° all day over our Islands, but touching 72° at Stockholm, exceeding 80° over the central and southern countries, and rising to 90° and above in places. Highest value, 100° at Algiers.

Wind in morning anticyclonic or variable over the greater part of our area, but cyclonic circulations prevailing over Finland and Ireland. Light or moderate in force nearly everywhere, but blowing strongly from West at Helsingfors. Very little change occurring later.

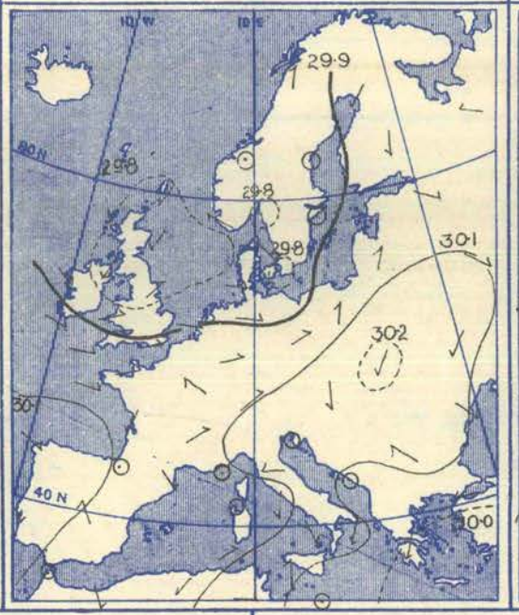
Barometer at 8 a.m. highest, above 30·2 ins. in an anticyclone stretching from Bavaria to Little Russia. Lowest, 29·7 ins. and less in a well marked disturbance centred over Finland, and nearly as low in another system over Ireland. Anticyclone undergoing considerable modification in form during day, and both depressions moving further to the eastward.

Thursday, 10th August, 1905.

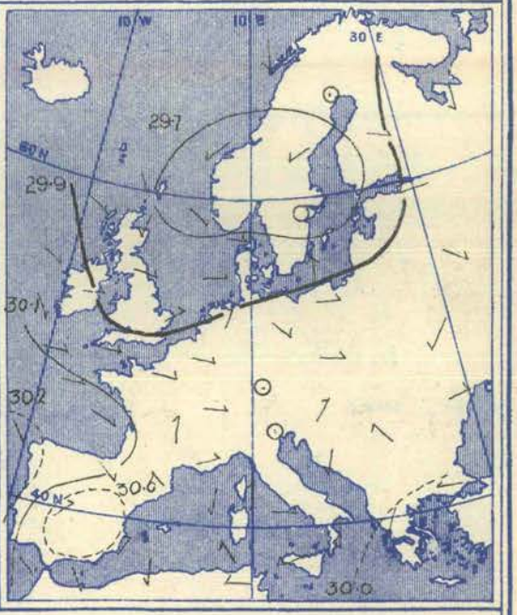
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most localities, but dull in several parts of northern Europe, Ireland, and Scotland, with rain at some stations. Rainy also at Brussels, Paris, and Cracow. Thunderstorms occurring in France, North Germany and Denmark, as well as at Shields and Roche's Point later, and rain in most of the more northern countries—heaviest amounts, 1·8 in. at Lyons, 0·9 in. at Skudesnaes, 0·8 in. at Hernösand and Belfort, 0·7 in. at Berlin, and 0·6 in. at Wick.

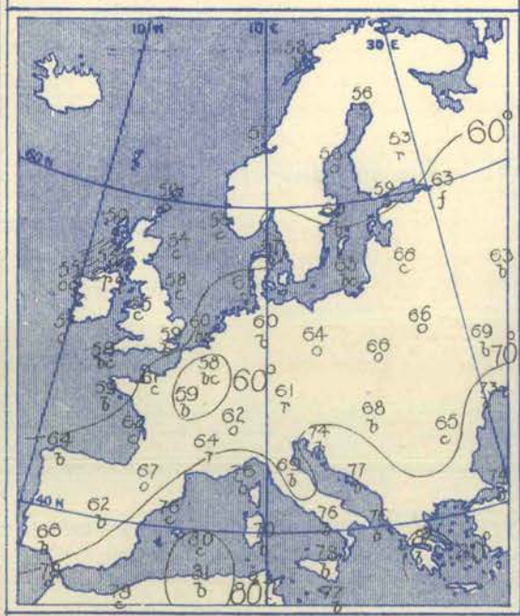
Temperature changed irregularly. Morning readings ranging from 85° at Athens and above 70° in the south generally and also at some German stations, to below 60° over the northern regions of the Continent and at most of our own stations. Lowest values, 51° at Stornoway and Uleaborg and 50° at Kuopio. Rising subsequently to about 70° at some of our own south-eastern stations, to above 80° over Germany, Austria, Hungary, and the southern countries, and to 90° and upwards in places. Highest values, 95° at Nemours and 99° at Sfax.

Wind light and mainly anticyclonic over the southern and central parts of our area, cyclonic in the north and north-west; fresh or strong from the North-Westward or Westward on our own west coasts, and strong to a gale from the Westward in Denmark. Decreasing in force later, but no great change taking place in direction.

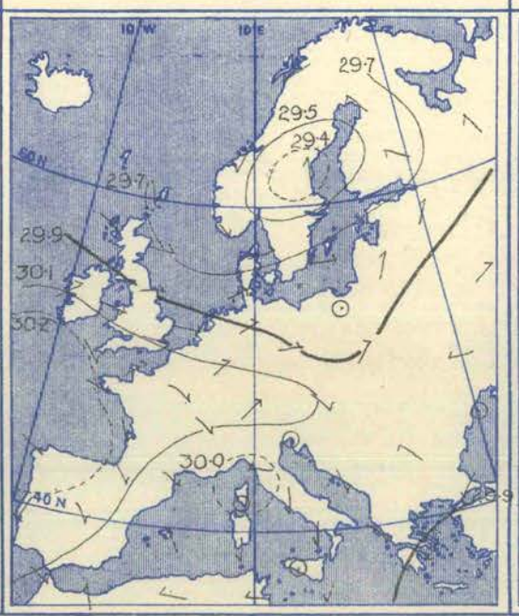
Barometer at 8 a.m. highest, above 30·2 ins. in an anticyclone centred near Lemberg and also in another system extending from the Atlantic to the north-west of Spain. Lowest, 29·8 ins. and less in a large but shallow depression having its centre over Scotland and in a smaller minimum near Christiania. Latter systems amalgamating by evening and moving eastwards. Barometer rising rather decidedly over the west of our Islands and falling over central Europe.

Friday, 11th August, 1905.

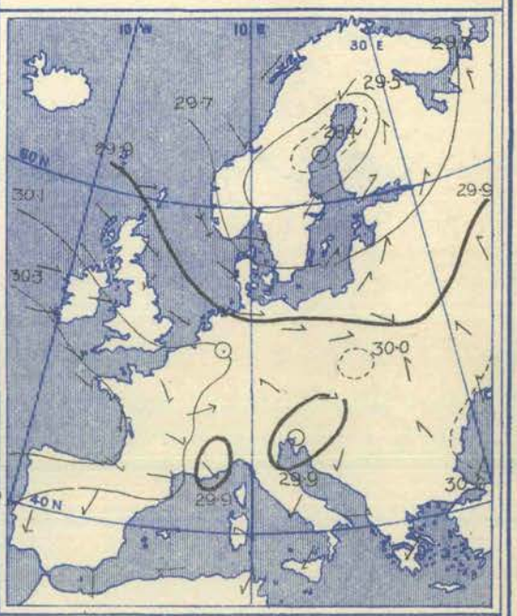
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. unsettled in central and northern Europe, with rain in several places. Overcast and showery in Ireland and Scotland and rainy at Lyons. Fair or very fine in almost all other regions. Rain falling later in many parts of our area and thunderstorms occurring at some French stations—heaviest falls, 1·1 in. at Cracow and 1·2 in. at Faerder.

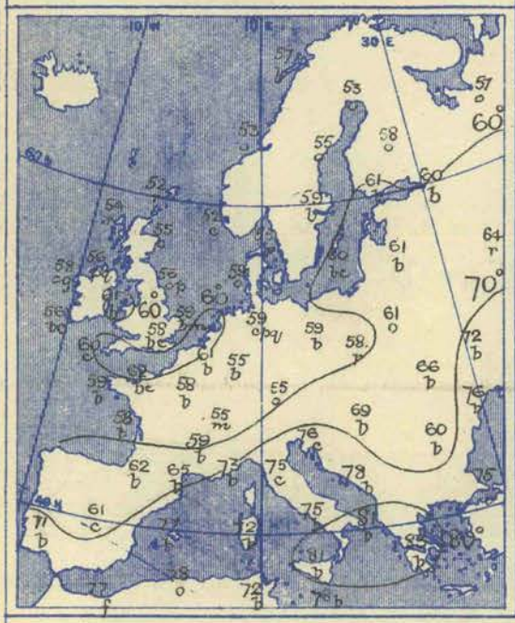
Temperature fallen somewhat in most regions. Morning values highest, 82° at Patras and above 75° at most other stations in the Mediterranean regions. Lowest, 50° at Sumburgh Head and Stornoway, 53° at Kuopio, 55° at Birr Castle, and 56° at Liverpool. Rising during day to 95° at Tunis, 94° at Pesaro, 93° at Patras, 91° at Madrid, and to nearly 90° at several other southern stations. Highest reading in our Islands, 70° at Dungeness and Brighton.

Wind in morning showing a very extensive cyclonic circulation over the northern parts of our area. Light or moderate in force generally, but North-Westerly current fresh on various parts of our own coasts, and that from West strong to the eastward of the North Sea. Some smaller circulations of light cyclonic winds prevailing over southern Europe. North-Westerly wind increasing to a fresh gale by evening on the south-west coast of Norway.

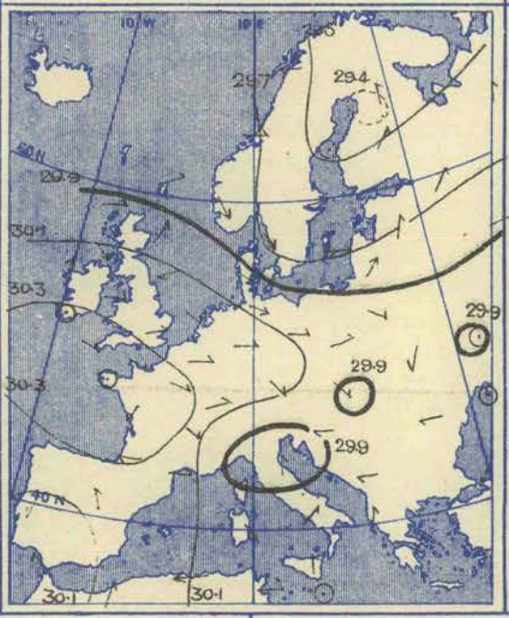
Barometer at 8 a.m. ranging from above 30·2 ins. in an anticyclone covering the Bay of Biscay and the adjacent portion of the Ocean to less than 29·4 ins. in a large depression centred over Sweden. Relatively low in other minima over the south and south-east of Europe. Little change taking place later in the general distribution of pressure, but barometer falling briskly over central Spain.

Saturday, 12th August, 1905.

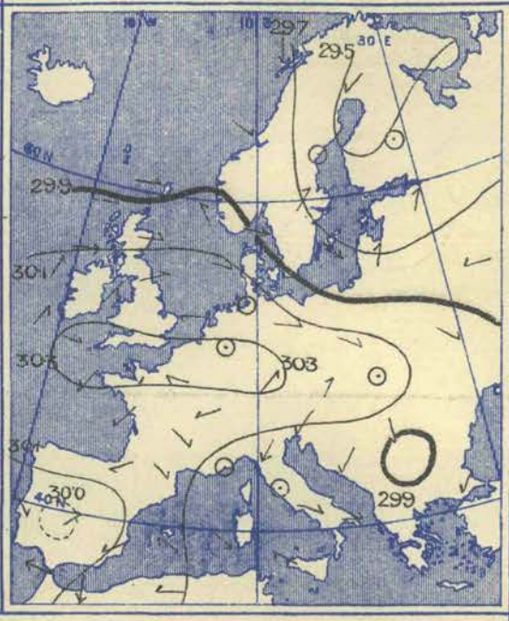
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



6 p.m.



Weather at 8 a.m. fine and bright as a whole, but showery on our extreme north-west and north coasts, and rainy at Moscow and in Poland. Rain falling later in Scandinavia and several parts of central Europe, and also over Russia and the north of Italy. Largest amounts, 0·8 in. at Knopio and 1·0 in. at Trieste. A thunderstorm experienced at Buda-Pesth.

Temperature fallen generally. Readings in morning ranging from 88° at Athens, 81° at Palermo and Brindisi, 76° at Trieste, and 69° at Buda-Pesth, to 55° at Munich, Aberdeen, and Hernösand, and to 52° at Sumburgh Head. Rising subsequently to 104° at Aumale, 95° at Brindisi, 94° at Pesaro, 92° at Madrid, and to between 80° and 90° in the south generally. Remaining below 70° in most parts of our Islands, the Low Countries, and Germany.

Wind in morning showing an anticyclonic circulation around the Bay of Biscay, and cyclonic movements around the north of Italy and the north of Sweden. North-Westerly to Westerly winds strong to a slight gale over Denmark and the southern parts of Norway and Sweden. Strong winds from North-West also prevailing at some Mediterranean stations. Strong Westerly and North-Westerly gales setting in by evening on some shores of the Baltic.

Barometer at 8 a.m. highest, 30·3 ins. and upwards in an anticyclone centred over the Bay of Biscay. Lowest, 29·4 ins. and less in a depression in the far north of Sweden. Relatively low in another system over northern Italy and in two smaller minima over the central countries. Gradients very steep over the south east of France. High pressure area moving northwards and extending eastwards during day.

IV.—GENERAL NOTES, etc.

Barometric pressure was very unstable over the whole of our area although the changes from day to day were never violent and not often brisk. The barometer was generally higher over the south-western or central regions of Europe than elsewhere. Depressions were very numerous, a few appeared over the Mediterranean region, but the majority came from the Atlantic over the northern countries, some of them passing across the United Kingdom and the North Sea. None of the systems possessed great depth but the gradients were sometimes sufficiently steep for a fresh or strong breeze to blow in various parts of the north-western countries, while on the south-west coast of Norway and in Denmark the force of a gale was attained. The weather was almost continuously fine and bright over southern Europe, but in the northern and central countries few days passed without more or less rain, accompanied in several places by thunder and lightning.

Temperature maintained its high level on the various shores of the Mediterranean throughout the period and was also high on the shores of the Baltic during the earlier days. Over our area as a whole, however, the heat was less than of late, especially over the United Kingdom and the other north-western regions.

At the end of the week an anticyclone was moving north-eastwards from the Bay of Biscay towards our Islands and the barometer was above 30·3 ins. over our southern coasts and the north of France.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 188.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	39·8	+11·8	36	+ 11
STRATHPEFFER SPA	20·5	- 7·2	19	- 7
CRATHES	27·1	—	25	—
BALRUDDERY	33·0	—	31	—
EDINBURGH	35·3	+ 2·4	33	+ 2
COCKLE PARK	42·8	—	40	—
NEWCASTLE-on-TYNE	31·4	—	30	—
SALTBURN-by-the-SEA	29·8	—	28	—
YORK	39·2	+ 4·8	37	+ 5
SKEGNESS	51·5	—	49	—
CROMER	44·9	—	43	—
LOWESTOFT	48·7	—	47	—
DUNMOW	37·4	—	36	—
SHEFFIELD	39·9	—	38	—
WORKSOP	39·6	+ 5·9	38	+ 6
MARGATE	43·2	+ 0·5	42	0
BROADSTAIRS	47·6	—	46	—
RAMSGATE	45·8	—	45	—
EASTBOURNE	46·4	- 1·3	45	- 1
BRIGHTON	44·5	- 5·2	43	- 5
WORTHING	47·1	—	46	—
BOGNOR	45·3	—	44	—
VENTNOR HOSPITAL	49·6	+ 2·6	48	+ 3
BOURNEMOUTH	55·1	—	54	—
MARLBOROUGH	40·8	- 0·2	40	0
SOUTHPORT	42·2	—	40	—
RHYL	40·3	—	38	—
ABERDOVEY	39·7	—	38	—
TENBY	49·5	+ 5·0	48	+ 5
TORQUAY	49·4	+ 1·2	48	+ 1
NEWQUAY	47·5	+ 0·1	46	0
GUERNSEY	49·8	- 5·9	49	- 6

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 26, page 152	Dungeness	—	—	—	—	—	—	—	—	—	—	—	40·3	—	35	—
,, 28, ,, 164	Valencia	—	—	—	—	—	—	—	—	—	—	—	24·4	- 11·4	22	- 10
,, 29, ,, 170	,,	—	—	—	—	—	—	—	—	—	—	—	10·5	- 24·0	—	- 22
,, 29, ,, 174	Deerness	—	—	—	—	—	—	—	—	—	—	—	23·6	- 8·1	20	- 7
,, 30, ,, 176	Glasgow	—	—	—	—	—	—	—	—	—	0·86	+0·07	—	—	—	—

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 33. THIRTY-THIRD WEEK, ENDING SATURDAY, AUGUST 19TH, 1905.

Price 6d.
Annual Subscription post paid £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 194.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	69	40	61·8	49·1	55·1	1 above	92	+ 2	0	0	1390	+ 38	476	- 80
	1. SCOTLAND, EAST	71	40	64·5	49·1	56·3	0 (average)	100	- 3	0	0	1648	+ 20	505	- 100
	2. ENGLAND, N.E.	76	42	66·8	51·8	58·8	1 above	118	+ 3	0	0	1952	+203	374	- 124
	3. ENGLAND, EAST	75	42	69·5	53·3	60·9	1 above	132	+ 6	0	0	2218	+186	349	- 193
	4. MIDLAND COUNTIES	78	40	68·9	50·7	59·3	0 (average)	121	- 2	0	0	2228	+188	394	- 157
	5. ENGLAND, SOUTH	77	43	70·0	53·7	61·4	0 (average)	136	+ 1	0	0	2242*	+ 29	268	- 135
Principal Grazing Districts.	6. SCOTLAND, WEST	72	44	64·6	51·2	57·5	1 above	109	+ 3	0	0	1825	+102	313	- 112
	7. ENGLAND, N.W.	73	42	66·7	51·8	58·8	0 (average)	118	+ 1	0	0	1957	+ 86	273	- 131
	8. ENGLAND, S.W.	76	38	67·7	53·0	59·9	0 (average)	125	+ 2	0	0	2136	+ 61	222	- 85
	9. IRELAND, NORTH	73	40	64·5	50·5	57·1	0 (average)	106	- 2	0	0	1881	+ 50	271	- 81
	10. IRELAND SOUTH	75	43	66·5	51·0	58·3	1 below	114	- 3	0	0	2236	+149	166	- 92
	— CHANNEL ISLANDS	77	56	69·0	57·9	63·2	1 above	148	+ 9	0	0	2471	+131	55	- 65

Rainfall.

	DISTRICTS. (See p. 194.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	12	4 more	171	+33	30·8	+ 5·4
	1. SCOTLAND, EAST	4	7	1 less	131	+11	15·5	- 2·7
	2. ENGLAND, N.E.	3	5	1 less	97	-13	9·9	- 4·7
	3. ENGLAND, EAST	2	2	3 less	103	- 8	11·6	- 2·4
	4. MIDLAND COUNTIES	3	5	1 less	108	+ 2	13·1	- 3·2
	5. ENGLAND, SOUTH	3	2	3 less	105	+ 1	14·9*	- 0·9
Principal Grazing Districts.	6. SCOTLAND, WEST	3	15	4 more	130	+ 6	27·0	- 1·3
	7. ENGLAND, N.W.	3	7	1 less	119*	+ 4	17·4	- 1·9
	8. ENGLAND, S.W.	4	6	2 less	118	+ 2	18·9	- 2·4
	9. IRELAND, NORTH	4	6	2 less	146	+ 5	20·5*	- 0·5
	10. IRELAND, SOUTH	3	4	5 less	133	+ 6	20·6	- 3·1
	— CHANNEL ISLANDS	4	1	4 less	125	+ 6	15·4	- 2·2

Bright Sunshine.

	DISTRICTS. (See p. 194.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible* Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	31	+ 5	29	+ 4	862	+ 20	28	+ 1
	1. SCOTLAND, EAST	32	0	31	0	1021	+ 30	33	+ 1
	2. ENGLAND, N.E.	46	+ 6	44	+ 5	1128	+ 73	37	+ 2
	3. ENGLAND, EAST	51	+ 7	51	+ 7	1244	+ 84	41	+ 3
	4. MIDLAND COUNTIES	43	+ 6	42	+ 6	1075	+ 44	35	+ 1
	5. ENGLAND, SOUTH	52	+ 6	52	+ 6	1199*	+ 36	39	+ 1
Principal Grazing Districts.	6. SCOTLAND, WEST	36	- 1	35	- 1	1122	+ 91	36	+ 3
	7. ENGLAND, N.W.	36	+ 1	35	+ 1	1122	+173	37	+ 6
	8. ENGLAND, S.W.	45	+ 1	45	+ 1	1119	- 62	37	- 2
	9. IRELAND, NORTH	35	+ 6	34	+ 6	1086	+161	35	+ 5
	10. IRELAND, SOUTH	39	+ 5	38	+ 5	1039	- 6	34	0
	— CHANNEL ISLANDS	55	0	55	0	1273	-101	42	- 3

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was fine and bright during the first two days of the period, but subsequently became less settled (with occasional rain at most stations), and finally very rough and squally. On Tuesday evening heavy thunderstorms were experienced locally in the south-west of England, and thunder and lightning also occurred at Morpeth on Friday.

Temperature agreed very closely with the normal; in several districts the divergence was nil. The highest of the maxima were recorded on the 14th or 15th at most English stations, and on a later date in Ireland and Scotland. In the Midland Counties the thermometer rose to 78° and in England S. and the Channel Islands to 77°; in Scotland N. the highest reading was 69°. The lowest of the minima, which were registered on rather variable dates, ranged from 38° in England S.W. to 44° in Scotland W., and to 56° in the Channel Islands.

Rainfall exceeded the mean in Scotland N. and W., but was deficient in all other districts.

Bright Sunshine was a little in excess of the normal in nearly all districts, the percentage of the possible duration ranged from 55 in the Channel Islands, 52 in England S., and 51 in England E., to 34 in Ireland N., and to 29 in Scotland N.

Barometer and Wind. During the earlier days of the week the distribution of pressure over our Islands was mainly anticyclonic, with light Westerly winds in the north and variable or Easterly airs in the south. The anticyclone, however, gradually moved away northward, and by Wednesday our southern counties were under the influence of a low-pressure band which lay over the Channel and extended eastwards to Germany. Towards the end of the week a large and deep disturbance from the Atlantic spread over the whole Kingdom, while its centre moved north-eastwards outside our coasts. The gradients for Southerly to Westerly winds consequently increased until they became steep, and strong breezes or moderate gales were felt on our coasts generally. At Malin Head the West-North-West wind rose to a whole gale for a time on Saturday morning.

3958 Wy. & S. Ltd.
370 8 | 05.

Districts. Aug. 13-19, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
O. SCOTLAND, N.	Sumburgh Head	60	45	57·1	49·4	53·0	0·0	77	0	5	0·78	+ 0·05	*	*	*	*
	Stornoway	63	48	60·3	49·9	54·8	+ 0·5	90	0	6	2·08	+ 1·25	36·6	+ 7·1	35	+ 7
	Wick	65	43	62·6	48·7	55·2	+ 0·5	92	0	5	0·62	+ 0·02	*	*	*	*
	Lairg S	69	40	64·6	46·8	55·2	+ 0·8	92	0	4	0·65	+ 0·02	*	*	*	*
	Glencarron S	69	46	62·7	50·0	56·0	+ 1·2	98	0	5	2·01	+ 0·48	*	*	*	*
	Fort Augustus S	66	44	63·3	50·0	56·3	- 0·2	100	0	4	1·05	+ 0·31	18·5	- 1·6	18	- 2
1. SCOTLAND, E.	Nairn	68	43	64·4	48·4	55·9	- 0·5	97	0	5	0·24	- 0·36	*	*	*	*
	Aberdeen	65	43	63·0	50·6	56·4	+ 0·1	101	0	5	0·79	+ 0·12	36·0	+ 1·5	34	+ 1
	Braemar S	65	40	60·5	47·3	53·5	+ 0·1	81	0	4	1·01	+ 0·17	*	*	*	*
	Clathick S	69	42	66·3	48·2	56·7	- 0·3	103	0	3	1·26	+ 0·42	*	*	*	*
	Leith	71	45	66·9	51·0	58·5	+ 0·2	116	0	2	0·35	- 0·23	*	*	*	*
	Marchmont S	69	47	65·6	48·9	56·8	+ 0·8	104	0	3	0·34	- 0·44	33·8	- 0·9	33	- 1
2. ENGLAND, N.E	Alnwick Castle	69	42	66·7	50·1	57·9	+ 1·0	111	0	4	0·57	- 0·13	*	*	*	*
	Durham	68	44	65·6	49·8	57·2	- 0·8	106	0	2	0·36	- 0·27	37·5	+ 4·3	36	+ 4
	Shields	71	48	67·0	51·3	58·7	+ 1·2	117	0	3	0·28	- 0·35	*	*	*	*
	Scarborough M	71	48	65·6	52·0	58·4	0·0	115	0	3	0·43	- 0·17	40·8	—	40	—
	Spurn Head	68	54	65·3	56·4	60·6	+ 1·2	130	0	2	0·38	- 0·04	*	*	*	*
	Lincoln												*	*	*	*
	Fulbeck (Lincolnshire)	76	43	70·7	50·9	60·2	+ 1·0	127	0	3	0·65	+ 0·11	58·2	—	57	—
3. ENGLAND, E.	Hillington M	75	46	70·8	50·9	60·3	+ 0·4	128	0	2	0·36	- 0·27	49·1	+ 9·0	49	+ 9
	Yarmouth	69	53	67·4	58·1	62·5	+ 2·3	144	0	1	0·15	- 0·36	*	*	*	*
	Geldeston	72	45	69·1	50·6	59·3	- 0·8	121	0	3	0·14	- 0·30	49·4	+ 6·4	49	+ 6
	Cambridge	75	42	72·2	50·0	60·4	- 0·6	129	0	2	0·19	- 0·35	48·7	+ 6·7	48	+ 7
	Felixstowe	70	51	68·3	54·2	60·8	+ 0·5	132	0	2	0·11	—	56·3	—	56	—
	Clacton-on-Sea	72	53	68·7	57·1	62·6	+ 2·1	144	0	2	0·11	—	56·8	—	56	—
	Rothamsted	73	45	70·1	50·1	59·5	- 0·2	123	0	3	0·11	- 0·44	49·3	+ 6·6	49	+ 7
	Shoeburyness	72	52	69·3	55·7	62·1	+ 0·9	141	0	2	0·19	- 0·21	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	70	44	65·5	50·2	57·4	- 0·3	108	0	3	1·00	+ 0·34	37·9	—	37	—
	Bawtry (Hesley Hall)	78	40	70·6	48·7	59·0	- 0·3	119	0	3	0·52	- 0·02	*	*	*	*
	Nottingham	74	41	69·9	50·6	59·7	- 0·1	124	0	3	0·61	+ 0·05	48·9	—	48	—
	Colly Weston (Stamford)	76	44	71·6	51·3	60·8	0·0	132	0	3	0·51	- 0·03	*	*	*	*
	Cheadle M	70	47	66·5	51·2	58·4	+ 1·0	115	0	3	0·83	+ 0·05	*	*	*	*
	Birmingham (Edgbaston)	71	48	67·0	52·4	59·3	+ 0·3	121	0	3	0·43	- 0·20	36·7	—	36	—
	Shrewsbury	71	43	68·8	49·1	58·4	- 0·8	115	0	3	0·16	—	*	*	*	*
	Hereford M	73	45	69·0	50·4	59·1	- 0·8	120	0	4	0·27	- 0·27	*	*	*	*
	Cirencester	73	47	69·1	50·8	59·4	+ 0·9	122	0	4	0·80	+ 0·11	42·3	+ 1·0	42	+ 1
	Oxford	75	47	71·1	52·7	61·4	+ 0·7	136	0	4	0·25	- 0·29	45·8	+ 3·9	45	+ 4
	Westminster	74	52	71·0	55·1	62·6	+ 0·6	144	0	2	0·15	—	47·9	+ 10·4	47	+ 10
5. ENGLAND, S.	London (Brixton)	77	51	72·6	54·0	62·7	+ 0·7	145	0	2	0·20	- 0·31	48·4‡	+ 9·4‡	48‡	+ 9‡
	Wisley (Surrey)	75	44	71·8	49·9	60·2	- 1·8	127	0	3	0·21	—	48·3	—	48	—
	Swarraton (Alresford) M	75	43	69·9	49·3	59·0	0·0	119	0	4	0·38	- 0·26	*	*	*	*
	Tunbridge Wells M	75	49	70·8	51·6	60·6	+ 0·1	130	0	2	0·25	—	59·5	—	60	—
	Dungeness	70	51	68·1	58·4	63·0	+ 1·1	147	0	3	0·26	- 0·16	62·2	—	62	—
	Hastings (St. Leonards)	76	52	69·6	55·3	62·0	+ 0·6	140	0	2	0·18	- 0·36	60·4	+ 12·8	60	+ 13
	Southampton	77	50	72·4	54·3	62·8	+ 0·9	146	0	4	0·27	- 0·33	44·4	- 2·6	44	- 3
	Portland Bill	71	54	67·7	56·6	61·8	+ 0·8	139	0	3	0·12	—	*	*	*	*
	Shaftesbury M	72	51	67·2	54·2	60·3	+ 0·6	128	0	2	0·28	- 0·36	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	70	47	64·8	51·5	57·8	+ 0·7	111	0	3	2·44	+ 1·18	*	*	*	*
	Glasgow	65	46	62·9	51·4	56·8	+ 0·1	104	0	3	0·93	+ 0·03	22·9	- 6·0	22	- 6
	Cally S	68	44	64·8	48·3	56·1	- 0·6	99	0	3	1·40	+ 0·36	*	*	*	*
	Aspatria	72	47	66·4	52·1	58·8	+ 1·9	118	0	3	1·30	—	42·3	—	41	—
	Douglas (Isle of Man)	68	44	64·1	52·6	58·0	+ 0·9	112	0	3	1·20	+ 0·32	42·9	+ 4·3	42	+ 4
7. ENGLAND, N.W.	Newton Rigg	72	42	64·8	49·6	56·7	+ 0·2	103	0	3	0·86	—	37·5	—	36	—
	Stonyhurst	68	48	64·6	52·1	58·0	0·0	112	0	3	0·88	- 0·28	26·3	- 7·1	26	- 7
	Blackpool M	73	47	66·3	51·9	58·7	- 0·5	117	0	3	0·82	+ 0·05	45·0	+ 10·1	44	+ 10
	Manchester (Prestwich)	72	44	67·3	50·7	58·5	+ 0·1	116	0	3	0·92	+ 0·07	29·0	—	28	—
	Liverpool Obsy. (Bidston)	70	51	66·3	54·1	59·8	+ 0·1	125	0	3	0·49	- 0·17	38·0	—	37	—
	Chester (Hawarden Bridge)	71	48	68·4	52·3	59·9	0·0	125	0	3	0·52	—	*	*	*	*
	Llandudno M	72	47	68·5	51·7	59·6	- 0·5	123	0	3	0·25	- 0·39	37·5	+ 1·0	37	+ 1
	Holyhead	70	51	65·9	55·0	60·1	+ 1·0	127	0	3	0·36	- 0·31	*	*	*	*
	Bettws-y-Coed	72	45	68·1	49·0	58·0	- 1·3	112	0	3	0·73	—	35·7	—	35	—
8. ENGLAND, S.W.	Llangammarch Wells	71	38	65·1	46·5	55·2	- 3·1	92	0	3	0·49	—	—	—	—	—
	Pembroke	67	51	64·1	55·3	59·4	+ 0·1	122	0	4	0·37	- 0·29	46·6	+ 2·9	46	+ 3
	Cardiff	74	47	68·8	52·0	59·9	- 0·6	125	0	4	0·48	—	*	*	*	*
	Clifton	76	52	70·9	56·5	63·3	+ 2·8	149	0	2	0·13	- 0·64	*	*	*	*
	Bath	75	48	69·4	53·0	60·7	- 0·3	131	0	4	0·52	- 0·11	39·1	—	39	—
	Arlington (N. Devon)	73	49	66·9	52·3	59·2	+ 0·6	120	0	4	0·89	- 0·25	*	*	*	*
	Cullompton M	75	40	69·8	50·7	59·7	- 0·2	124	0	4	1·37	+ 0·73	34·4	- 7·1	34	- 7
	Falmouth	68	52	66·3	55·4	60·5	+ 0·3	130	0	3	0·26	- 0·54	51·0	+ 2·7	51	+ 3
	Plymouth	73	49	67·8	55·6	61·3	+ 0·2	135	0	4	0·42	- 0·23	46·6	+ 2·0	47	+ 2
9. IRELAND, N.	Malin Head	71	48	62·4	52·3	57·1	- 0·5	106	0	3	0·88	+ 0·14	*	*	*	*
	Edenfel (Omagh)	72	46	64·7	49·7	56·8	+ 0·5	104	0	3	0·65	- 0·20	*	*	*	*
	Blacksod Point	67	49	63·6	52·3	57·6	- 0·6	109	0	4	0·55	- 0·58	*	*	*	*
	Markree Castle	73	42	66·6	47·4	56·4	- 0·4	101	0	5	0·56	- 0·38	35·4	+ 6·1	34	+ 6
	Armagh	70	40	65·9	49·5	57·2	- 0·2	106	0	3	0·38	- 0·36	33·9	+ 5·6	33	+ 5
	Donaghadee	69	48	63·6	51·7	57·3	0·0	107	0	3	0·73	- 0·02	*	*	*	*
10. IRELAND, S.	Dublin	70	53	68·0	54·2	60·7	+ 1·3	131	0	2	0·14	- 0·55	36·8	+ 0·2	36	0
	Birr Castle	75	44	67·6	48·1	57·3	- 0·9	107	0	3	0·51	- 0·34	38·4	+ 7·0	38	+ 7
	Kilkenny	71	43	66·6	49·6	57·6	- 1·4	109	0	2	0·13	- 0·65	*	*	*	*
	Waterford	73	48	67·1	51·1	58·6	- 0·3	116	0	2	0·37	- 0·49	*	*	*	*
	Roche's Point	67	48	64·1	52·4	57·9	- 1·8	111	0	3	0·54	- 0·34	*	*	*	*
	Valencia	70	46	65·0	50·9	57·5	- 1·6	109	0	5	0·88	- 0·22	41·8	+ 7·5	41	+ 7
	Killarney	72	45	67·4	50·5	58·4	- 0·5	115	0	4	0·35	- 0·73	*	*	*	*
	Foynes	74	46	66·1	51·2	58·2	- 0·3	113	0	3	0·34	- 0·60	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	66	56	65·1	56·9	60·8	- 0·2	132	0	4	0·19	- 0·36	52·0	- 0·2	52	0
	Jersey (St. Aubyn's)	77	56	72·9	58·9	65·5	+ 2·5	165	0	3	0·06	- 0·49	59·9	+ 4·6	60	+ 5

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society.

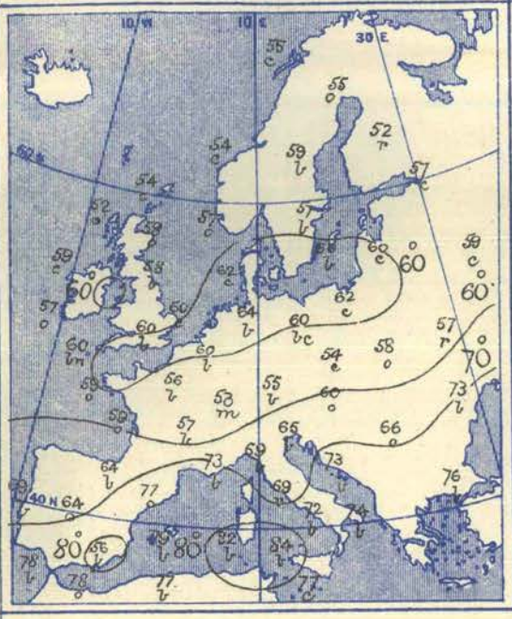
* An Asterisk is inserted in all places for which the information is not usually received.
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

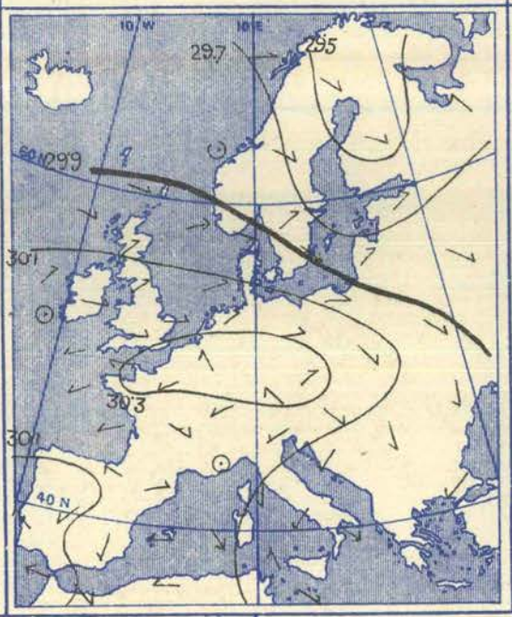
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 13th August, 1905.

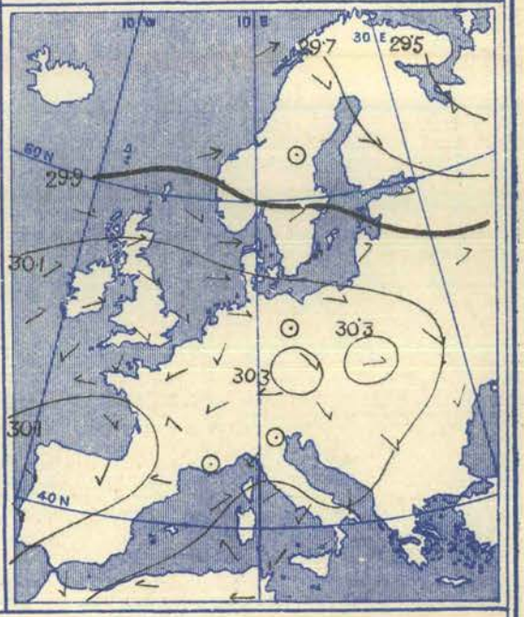
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine generally, but overcast in many parts of central and northern Europe and rainy at Kiev and Kuopio. Rain experienced later over the northern parts of Scotland and at some northern stations on the Continent—largest fall, 1·2 in. at Christiansund.

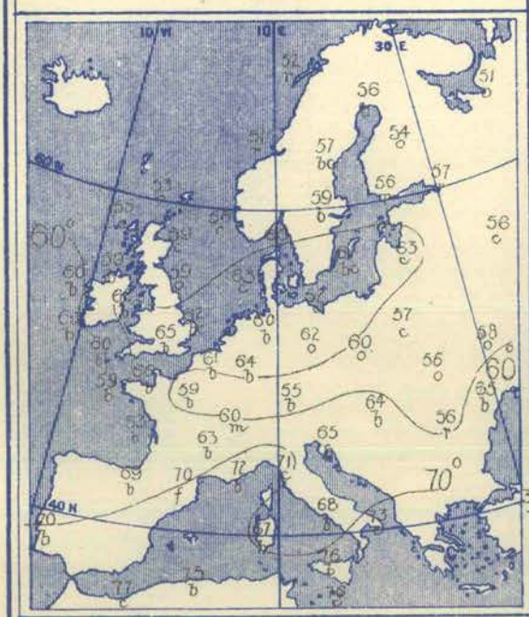
Temperature showing little change. Morning readings highest, 84° at Palermo, 82° at Cagliari, 77° at Nicolaieff, and above 70° at nearly all the Mediterranean stations. Lowest, (1) 52° at Archangel and Kuopio, (2) 52° at Stornoway, (3) 53° at Belfort. Maxima during day, 70° at Haparanda, 70° or 71° at several of our own stations, above 80° in many parts of the south of Europe, and above 90° in central Algeria.

Wind at 8 a.m. anticyclonic over these Islands, France, and central Europe, and cyclonic over the north and south of our area. Light or moderate in force generally, but North-Westerly current strong to a gale over the Baltic, and strong or fresh winds from between North and North-East prevailing over Italy and its neighbourhood. No general change later, but gales and strong winds subsiding.

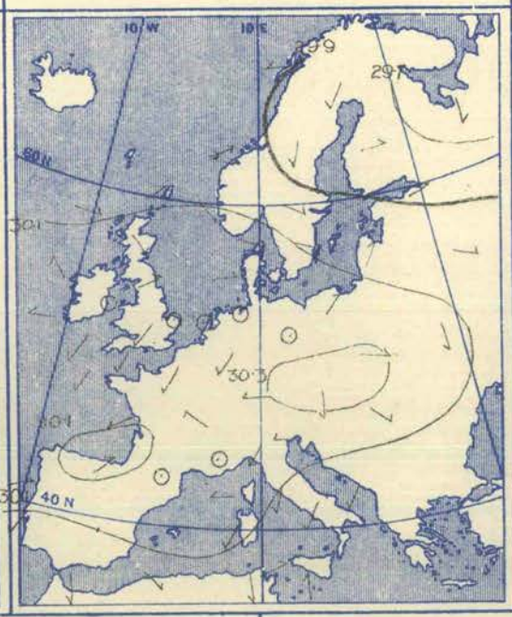
Barometer in morning ranging from above 30·3 ins. in an extensive anticyclone having its central space over the north of France and the southern parts of Germany to below 29·5 ins. in a depression over Finland. Relatively low over the Spanish Peninsula and south-eastern Europe. Depression in north travelling quickly eastwards during day and anticyclone giving way somewhat and moving northwards.

Monday, 14th August, 1905.

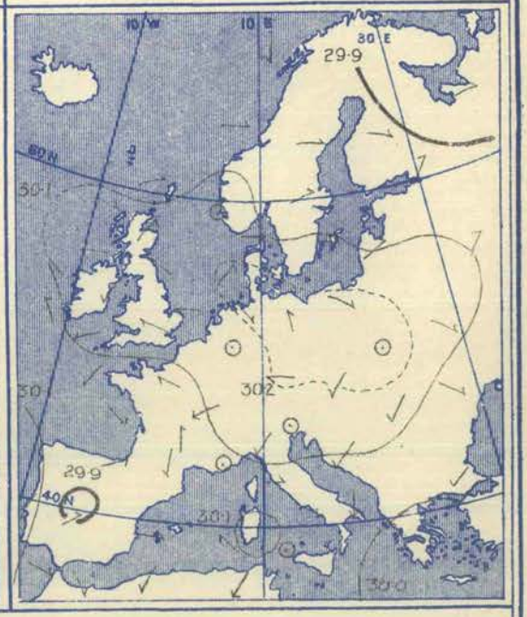
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most regions, but rainy in the north-west of Norway and on the shores of the Gulf of Finland and also at Hermaustadt. A thunderstorm later at Biarritz, thunder at Perpignan, a little rain in Scotland, and as much as 0·8 in. at Skudesnaes.

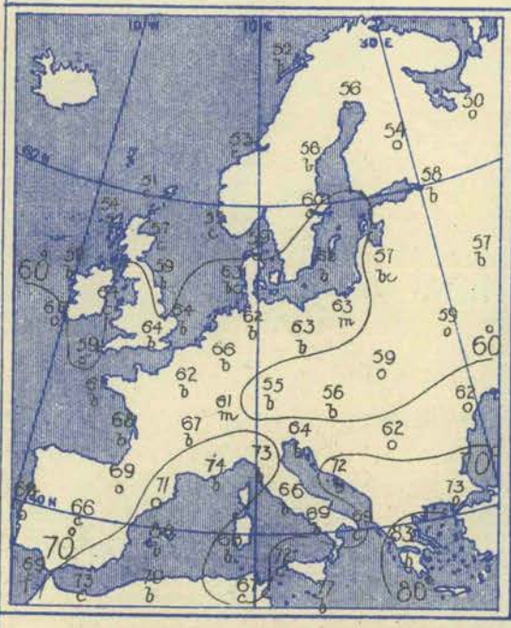
Temperature fallen in the south, changed irregularly elsewhere. Morning readings ranging from 77° at Nemours, 76° at Malta and Palermo, and 72° in the south of France, to below 60° in many parts of central Europe, 53° at Sumburgh Head, 52° at Bodö, and to 51° at Archangel. Maxima during day, 70° at Hernösand, about 75° at several English stations, above 80° in various parts of southern Europe and Algeria, and above 90° at Patras and Athens.

Wind at 8 a.m. anticyclonic over all the central countries and the United Kingdom, cyclonic in the south and north. Very little force generally, but a fresh West-South-Westerly gale blowing at Christiansund and a strong North-Westerly breeze at Wisby. Gale and strong breeze subsiding later, but little other change.

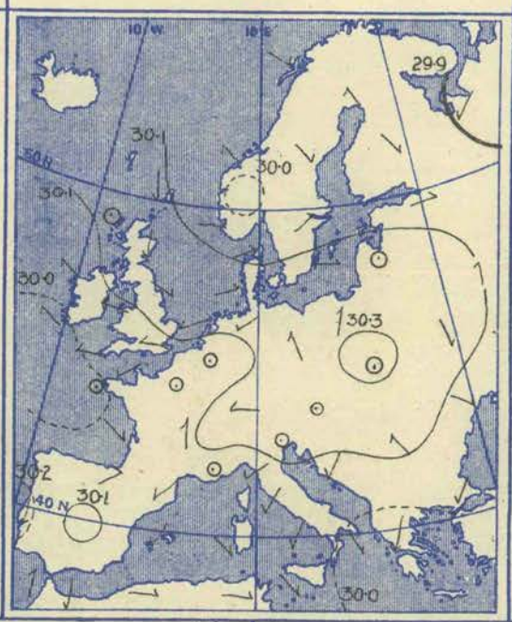
Barometer at 8 a.m. ranging from above 30·3 ins. in a very large anticyclone having its centre over Poland to below 30·1 ins. in a depression over the south-west of France, and to less than 29·7 ins. in another system over the White Sea. High pressure decreasing in intensity during day. Depression in the north of Russia travelling eastwards or north-eastwards, and another disturbance affecting the barometer in the Shetlands.

Tuesday, 15th August, 1905.

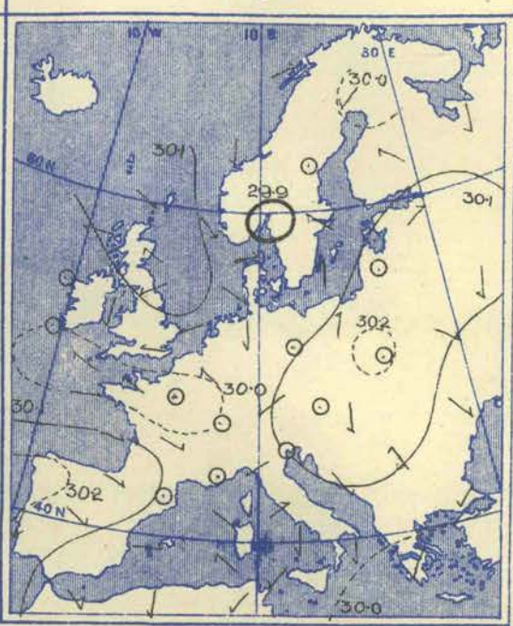
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or very fine in most localities, but cloudy or overcast in places and rainy at Karlstad. Severe thunderstorms during ensuing night in the south-west of England and at Dungeness. Considerable amounts of rain experienced in Russia and Scandinavia.

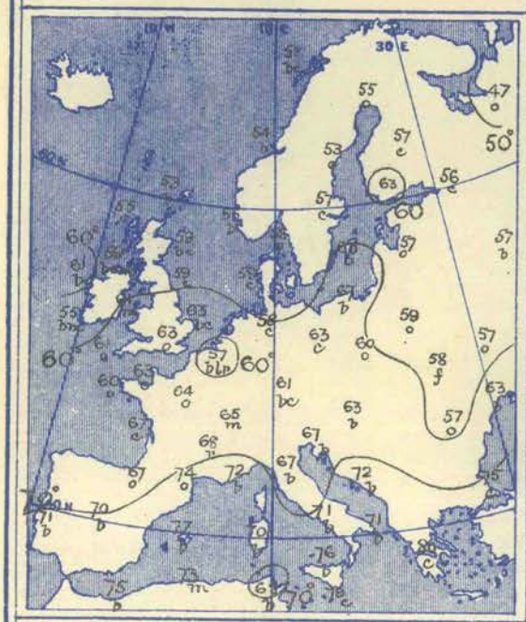
Temperature changed little and irregularly. Morning readings highest, 83° at Patras, 80° at Palma, and above 70° in the south generally. Lowest, 50° at Archangel and Haparanda, 51° at Sumburgh Head, and 55° at Parsonstown and Munich. Rising subsequently to 79° at Brighton and to above 70° in many other parts of England, to above 80° in various parts of France and Germany and at nearly all stations in the Mediterranean region. Highest values, 97° at Madrid and 99° at Aumale.

Wind at 8 a.m. light and variable as a whole—mainly Easterly over England and Ireland. A well marked cyclonic circulation setting in over Scandinavia by evening, and the North-Westerly current blowing a strong breeze on the south-west coast of Norway.

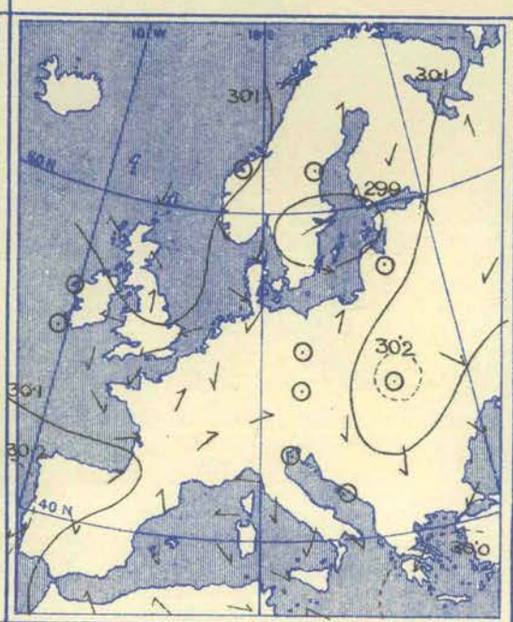
Barometer in morning highest, 30·2 ins. and upwards in anticyclones over central Europe and Portugal. Lowest, less than 29·9 ins. in a depression over the north of Russia and below 30·0 ins. (1) in a large shallow system off the south of Ireland and over the Bay of Biscay, and (2) over the extreme south-east of our area. Relatively low over Belgium and the south-west of Norway. Depression in south-west developing into a band of low pressure extending from off the south of Ireland eastwards to Baden. A well defined disturbance forming over the south of Norway.

Wednesday, 16th August, 1905.

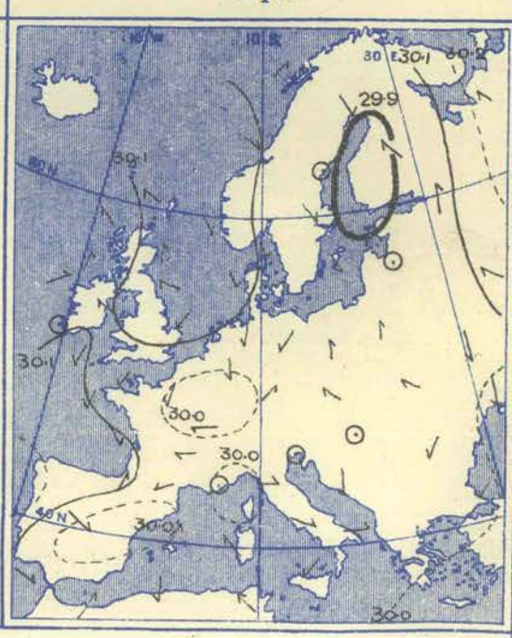
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or very fine generally, but overcast over the south of England and north of France, a thunderstorm prevailing at Brussels, and rain falling at Limoges, Lyons, Flushing, and in the south of Finland. Severe thunderstorms occurring in the south-east of France later—largest rain measurements 2·5 ins. at Lyons, 1·9 in. at Besançon, and 1·7 in. at Belfort. An inch of rain also falling at Turin and considerable amounts in northern Europe.

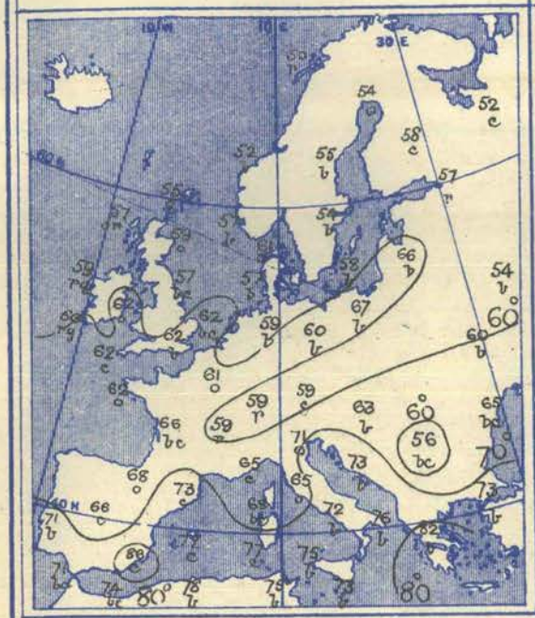
Temperature showing no decided change. Readings in morning ranging from 80° at Patras, 79° at Malta, 77° at Palma, and 74° at Perpignan, to less than 60° in most parts of our Islands and northern Europe, to 51° at Bodö, and to 47° at Archangel. Rising to above 70° in several parts of the United Kingdom during the day, to above 80° in the south of Europe generally, and to a much higher point in places. Highest values, 90° at Patras and 93° at Madrid.

Wind at 8 a.m. strong from North-East on our south-east coasts and from the Northward in Denmark, but light or moderate elsewhere—mainly anticyclonic in the east and extreme north-west and south-west of our area. No decided or general change later; light Southerly breezes setting in on our extreme west coasts.

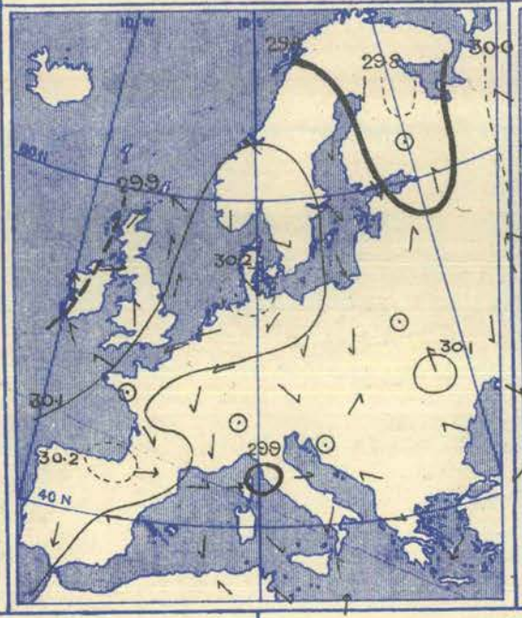
Barometer in morning above 30·2 ins. in Portugal and in another area embracing Poland and the north of Russia, and above 30·1 ins. over, and to the northward of, Scotland. As low as 29·9 ins. and less in a depression over the south of Sweden, and below 30·0 ins. in a band extending thence across Germany to the English Channel and Brittany. Pressure changing little and somewhat irregularly during day, falling slightly on our most western and northern coasts.

Thursday, 17th August, 1905.

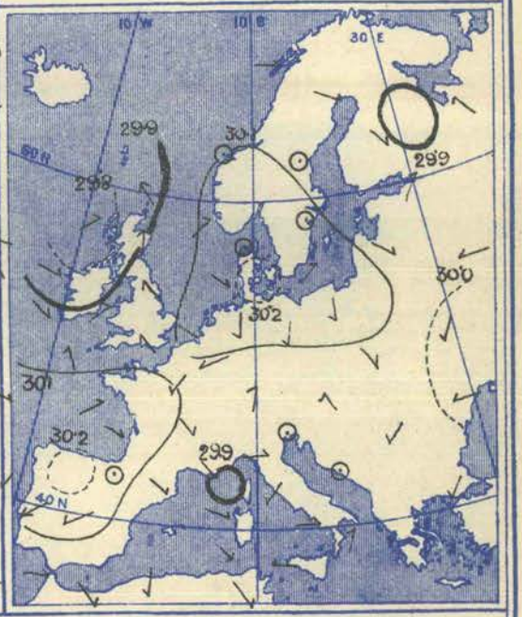
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very fine as a whole, but rainy on our extreme west and north-west coasts, at Bodö, and over the Gulf of Finland, as well as in the east of France; overcast in Scotland and Wales. Considerable or heavy falls of rain experienced later in most parts of the United Kingdom, and large amounts in Italy and at Trieste. As much as 1·3 in. at Stornoway, 1·6 in. at Rome, 2·0 ins. at Leghorn.

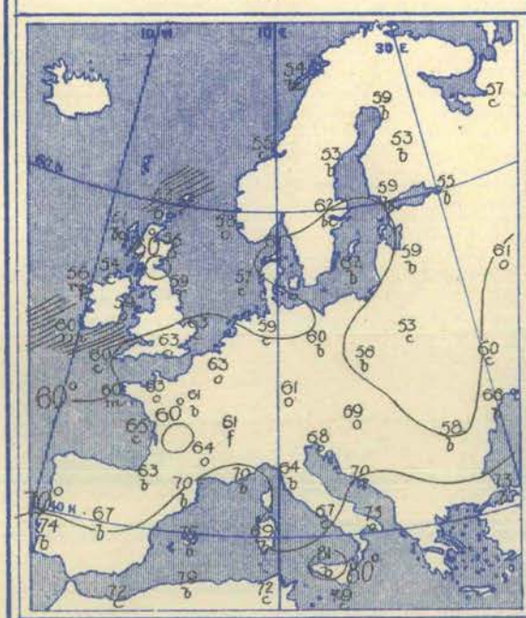
Temperature changed irregularly. Morning readings ranging from 82° at Patras and above 70° in the Mediterranean generally to below 60° at several of our own stations and over the northern half of the Continent, to 52° at Christiansund and Archangel, and to 50° at Bodö. Rising during day to 91° at Madrid, 90° at Sfax, 89° at Palermo, and to several degrees above 80° in the south generally. Highest maxima in these Islands, 72° at Oxford and 71° at Bath and Llandudno.

Wind light and irregularly anticyclonic over most of the western regions, but fresh or moderate from the Southward on the extreme west coasts of our Islands. Partial or complete cyclonic circulations prevailing over the major part of the Continent; not of much force generally, but wind blowing a fresh gale from North-North-West at Wisby. Southerly current spreading rather quickly over England later and increasing in strength; veering temporarily to the Westward in the west of Ireland by evening.

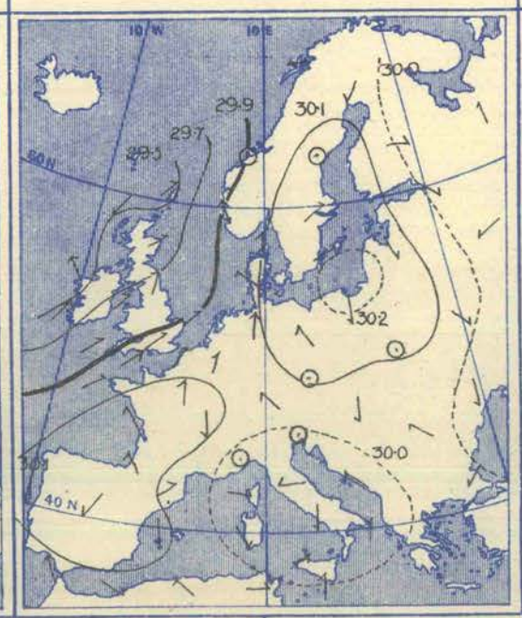
Barometer at 8 a.m. above 30·1 ins. to 30·2 ins. in a large irregularly shaped anticyclone extending from Portugal to the north-west of Norway, and also in another area over central Russia. Below 29·9 ins. in a shallow depression centred over the Gulf of Genoa, and in another system over Finland, and below 30·0 ins. over the western parts of Ireland and Scotland. A depression of a "V" shaped type advancing over our western districts by evening and anticyclone retreating eastwards.

Friday, 18th August, 1905.

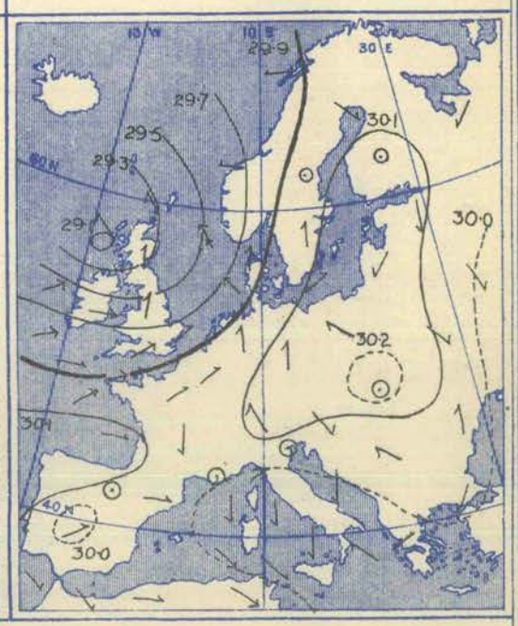
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very unsettled over our Islands, with rain in many places. Fair or fine in most Continental regions, but overcast at some stations and rainy at Lesina. Rain later in nearly all parts of north-western Europe and at various stations in Germany and Italy—largest amounts, 1·8 in. at Oxö and 1·6 in. at Brindisi.

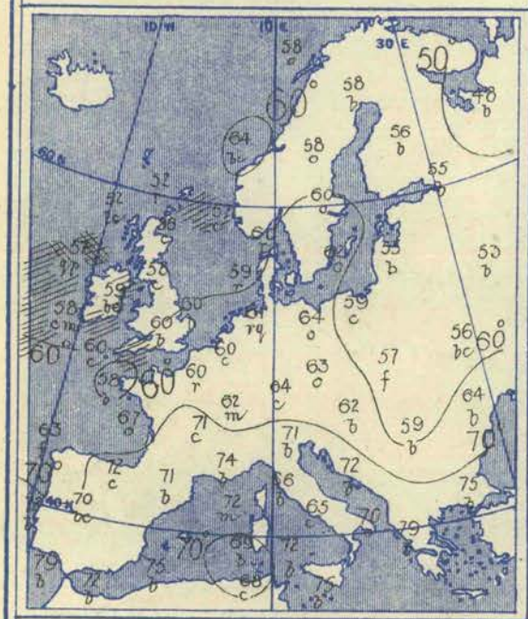
Temperature showing no decided change. Readings in morning highest, 81° at Palermo, 79° at Malta and San Fernando, and above 70° in the south generally. Lowest, 51° at Stornoway, 54° in the north of Scandinavia and at Helsingfors, 53° at Warsaw, and 56° at Breslau. Maxima during day, 96° at Madrid, 93° at Athens, and above 80° at many other southern stations. Highest in our Islands, 71° at Leith.

Wind in morning Southerly over this country and its neighbourhood and moderate or fresh in force. Light anticyclonic airs prevailing in most parts of the Continent, and a cyclonic movement over Italy and its vicinity. Veering towards West over Ireland and England later and increasing somewhat in force. Increasing to a fresh gale from the Southward on the south-west coast of Norway.

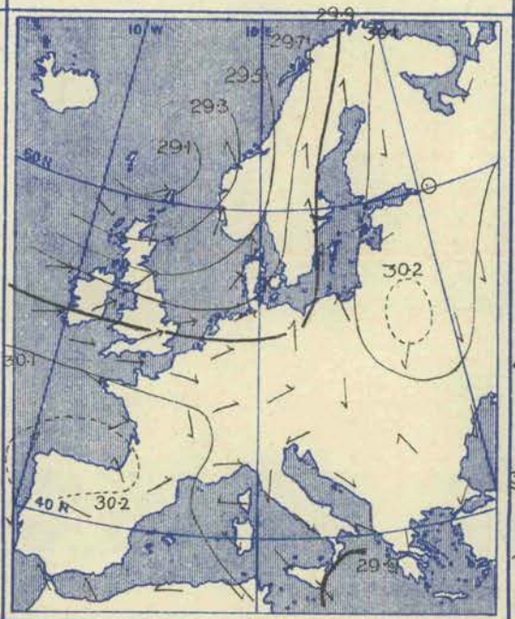
Barometer at 8 a.m. ranging from above 30·2 ins. in an anticyclone centred over the Baltic to below 30·0 ins. in a large shallow depression over Italy, and to less than 29·5 ins. in a deep disturbance off our western coasts. Latter system travelling north-eastwards during day, and barometer falling to about 29·1 ins. at Stornoway. Gradients increasing over our Islands and the North Sea.

Saturday, 19th August, 1905.

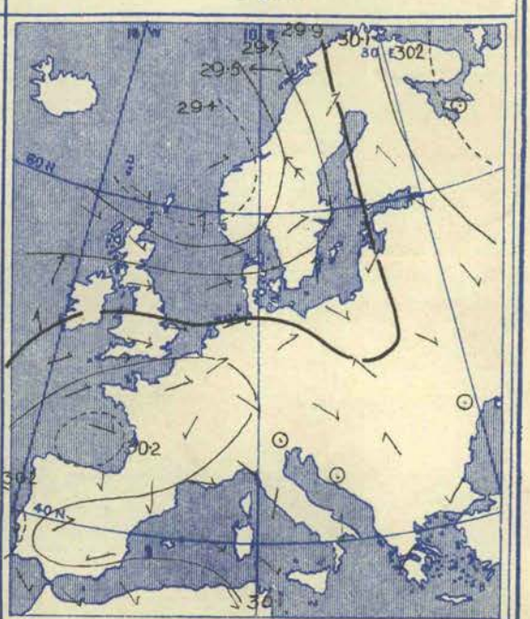
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. rough and squally over our Islands and the north-western countries of the Continent, with showers in several places. Fine and bright in nearly all the eastern and southern regions. Rain falling later over the northern half of Europe generally, and also at Palermo and Brindisi.

Temperature changed rather irregularly, but fallen at most stations. Morning readings highest, 79° at San Fernando and Athens, and above 70° in the south generally. Lowest, 48° at Archangel, 53° at Moscow, 52° at Stornoway, Sumburgh Head, and Nairn, and 55° at Birr Castle. Maxima during day, 99° at Madrid, 95° at San Fernando, 90° at Athens, and above 85° in several other southern localities. Highest readings in our Islands about 70° in the south-east.

Wind in morning very strong from the Westward over our Islands and their neighbourhood—a whole gale at Malin Head—and strong or fresh from the Southward in Denmark and Scandinavia. Light anticyclonic airs prevailing over the south-west and east of our area. Decreasing in force over our Islands during day and backing to the Southward on the west and south coasts of Ireland.

Barometer at 8 a.m. ranging from above 30·2 ins. in the north of Spain and south-west of France and above 30·1 ins. in a large area over Russia to less than 29·1 ins. in a very extensive and deep depression having its centre north of the Shetlands. Latter system moving slowly north-eastward and decreasing in depth during day. Barometer falling again on our extreme south-west coasts by evening.

IV.—GENERAL NOTES, etc.

The areas of highest pressure were generally found in some part of central Europe, but the barometer was sometimes equally high over the Spanish Peninsula, France, and the United Kingdom. Cyclonic disturbances were relatively few and mostly shallow. Some were situated over the Mediterranean region and others over Finland or Scandinavia. Towards the end of the period the centre of a large and deep depression passed over our extreme northern coasts on its passage to Norway, and this system caused the wind, which had hitherto possessed little force, to increase to a strong breeze or moderate gale from South-West or West on our own coasts, and to a fresh Southerly gale on the south-west coast of Norway. At Malin Head there was a strong to whole gale from West-North-West as the depression travelled away. Very little rain fell over our area as a whole, but slight amounts were often measured in the far north, and some severe thunderstorms were experienced in various parts of France, the north of Italy, and the central regions of Europe.

Temperature showed a downward tendency over the northern countries, but little change in the south, where maxima much above 80° were recorded daily. At the end of the week the general condition was fairly settled except over the United Kingdom and its neighbourhood.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 194.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	34·1	+ 7·3	32	+ 7
STRATHPEFFER SPA	32·9	+ 5·5	31	+ 5
CRATHES	28·3	—	27	—
BALRUDDERY	27·3	—	26	—
EDINBURGH	33·0	+ 0·4	32	0
COCKLE PARK	45·2	—	44	—
NEWCASTLE-on-TYNE	38·1	—	37	—
SALTBURN-by-the-SEA	40·9	—	40	—
YORK	40·0	+ 6·6	39	+ 7
SKEGNESS	56·4	—	55	—
CROMER	48·7	—	48	—
LOWESTOFT	53·3	—	53	—
DUNMOW	55·5	—	55	—
SHEFFIELD	43·8	—	43	—
WORKSOP	45·1	+ 12·1	44	+ 12
MARGATE	50·4	+ 8·0	50	+ 8
BROADSTAIRS	—	—	—	—
RAMSGATE	55·6	—	56	—
EASTBOURNE	59·7	+ 13·2	60	+ 13
BRIGHTON	57·8	+ 8·9	58	+ 9
WORTHING	58·2	—	58	—
BOGNOR	58·2	—	58	—
VENTNOR HOSPITAL	53·2	+ 6·5	53	+ 7
BOURNEMOUTH	51·5	—	52	—
MARLBOROUGH	39·6	- 0·9	39	- 1
SOUTHPORT	38·4	—	38	—
RHYL	43·8	—	43	—
ABERDOVEY	37·0	—	37	—
TENBY	46·4	+ 2·0	46	+ 3
TORQUAY	42·8	- 4·6	43	- 5
NEWQUAY	49·6	+ 2·6	50	+ 3
GUERNSEY	52·0	- 3·3	52	- 3

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 26, page 152	Cheadle	—	—	—	—	—	—	—	—	4	0·82	+0·15	—	—	—	—
,, 26, ,, 152	Douglas	—	—	—	—	—	—	—	—	1	0·10	-0·50	—	—	—	—
,, 27, ,, 158	Cheadle	—	—	69·0	—	58·6	+1·6	116	—	—	—	—	—	—	—	—
,, 27, ,, 158	Valencia	—	—	—	—	—	—	—	—	2	0·11	-0·73	—	—	—	—
,, 28, ,, 164	Newton Rigg	—	49	—	55·0	64·0	+7·0	154	—	—	—	—	—	—	—	—
,, 28, ,, 194	Malin Head	—	—	—	—	—	—	—	—	—	0·41	-0·23	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 34. THIRTY-FOURTH WEEK, ENDING SATURDAY, AUGUST 26TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 200.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	70	38	60·7	46·4	53·1	1 below	78	− 7	0	0	1468	+ 31	476	− 80
	1. SCOTLAND, EAST	71	37	62·5	46·5	54·0	2 below	84	− 15	0	0	1732	+ 5	505	− 100
	2. ENGLAND, N.E.	73	39	65·4	51·1	57·8	0 (average)	111	− 1	0	0	2065*	+ 204	374	− 124
	3. ENGLAND, EAST	75	44	68·8	52·6	60·2	0 (average)	127	+ 5	0	0	2345	+ 191	349	− 193
	4. MIDLAND COUNTIES	74	41	66·0	50·3	57·7	1 below	110	− 7	0	0	2338	+ 181	394	− 157
	5. ENGLAND, SOUTH	73	37	66·9	52·6	59·4	1 below	122	− 7	0	0	2365*	+ 23	268	− 135
Principal Grazing Districts.	6. SCOTLAND, WEST	68	42	61·6	47·9	54·3	2 below	86	− 13	0	0	1911	+ 89	313	− 112
	7. ENGLAND, N.W.	71	43	63·6	51·1	57·0	1 below	105	− 7	0	0	2062	+ 79	273	− 131
	8. ENGLAND, S.W.	69	35	63·7	51·0	56·9	3 below	104	− 15	0	0	2240	+ 46	222	− 85
	9. IRELAND, NORTH	69	41	60·5	48·8	54·3	3 below	86	− 18	0	0	1967	+ 32	271	− 81
	10. IRELAND SOUTH	69	40	62·0	51·3	56·3	2 below	100	− 13	0	0	2336	+ 136	166	− 92
	— CHANNEL ISLANDS	68	49	64·5	55·9	60·0	2 below	126	− 10	0	0	2597	+ 121	55	− 65

Rainfall.

	DISTRICTS. (See p. 200.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	3	6 less	176	+34	31·1	+ 4·9
	1. SCOTLAND, EAST	4	7	0 (average)	135	+12	16·2	− 2·8
	2. ENGLAND, N.E.	5	9	3 more	102	− 11	10·3	− 4·3
	3. ENGLAND, EAST	4	4	1 less	107	− 7	12·0	− 2·5
	4. MIDLAND COUNTIES	5	9	3 more	113	+ 3	14·0	− 2·9
	5. ENGLAND, SOUTH	4	6	0 (average)	109	+ 2	15·5	− 0·9
Principal Grazing Districts.	6. SCOTLAND, WEST	4	13	3 more	134	+ 6	28·3	− 1·0
	7. ENGLAND, N.W.	5	13	5 more	124	+ 5	18·7	− 1·4
	8. ENGLAND, S.W.	5	14	7 more	123	+ 3	20·3	− 1·8
	9. IRELAND, NORTH	6	19	10 more	152	+ 6	22·4	+ 0·5
	10. IRELAND, SOUTH	7	24	15 more	140	+ 9	23·0	− 1·6
	— CHANNEL ISLANDS	7	11	5 more	132	+10	16·5	− 1·7

Bright Sunshine.

	DISTRICTS. (See p. 200.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	32	+ 6	31	+ 6	894	+ 26	28	+ 1
	1. SCOTLAND, EAST	35	+ 1	34	+ 1	1056	+ 30	33	+ 1
	2. ENGLAND, N.E.	34	0	34	0	1162	+ 73	37	+ 2
	3. ENGLAND, EAST	40	− 2	41	− 2	1284	+ 82	41	+ 3
	4. MIDLAND COUNTIES	34	− 7	35	− 7	1109	+ 37	35	+ 1
	5. ENGLAND, SOUTH	46	+ 1	47	+ 1	1215	+ 37	40	+ 1
Principal Grazing Districts.	6. SCOTLAND, WEST	32	0	32	0	1154	+ 91	36	+ 3
	7. ENGLAND, N.W.	33	0	33	0	1155	+ 173	36	+ 6
	8. ENGLAND, S.W.	29	− 17	30	− 17	1148	− 79	37	− 3
	9. IRELAND, NORTH	24	− 5	24	− 5	1110	+ 156	35	+ 5
	10. IRELAND, SOUTH	24	− 10	24	− 10	1063	− 16	34	− 1
	— CHANNEL ISLANDS	41	− 12	43	− 12	1314	− 113	42	− 4

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was of an unsettled type over the Kingdom generally, but was mostly fair in the east and south of England. Heavy rain set in on Thursday in many parts of Ireland and continued almost without interruption for about thirty-four hours in the eastern counties. Considerable or heavy rain was experienced at the same time in the north and north-west of England.

Temperature was just equal to the normal in England E. and N.E., but below it elsewhere. The highest of the maxima were recorded on irregular dates, and ranged from 75° in England E. and 74° in the Midland Counties, to 68° in Scotland W. and the Channel Islands. The lowest of the minima, which were mostly recorded during the latter half of the week, varied from 35° in England S.W., 37° in England S. and Scotland E. to 44° in England E., and to 49° in the Channel Islands.

Rainfall was less than the mean in Scotland N. and England E., and just equal to it in Scotland E. and England S.; in all other districts there was an excess, that in Ireland being unusually large. The heaviest falls within twenty-four hours were measured at 8 a.m. on the 26th—2·64 ins. and 3·44 ins. at Armagh and Dublin, 4·0 ins. at Dundrum and 4·5 ins. at Bray. At Roche's Point 2·0 ins. were measured on the morning of the 25th. During the thirty-four hours ending at 9 a.m. on the 26th 4·17 ins. fell at Greystone, 4·33 ins. at Leeson Park, Dublin, 4·71 ins. at Dundrum, and 5·09 ins. at Bray.

Bright Sunshine was deficient except in a few English districts and in Scotland N. and E. The percentage of the possible duration ranged from 47 in England S., 43 in the Channel Islands, and 41 in England E., to 32 in Scotland W. and to 24 in Ireland.

Barometer and Wind. Cyclonic disturbances from the Westward passed across our Islands, and the wind consequently varied a good deal in direction. With a system whose centre had reached the North Sea on Wednesday, the North-Westerly to Westerly wind blew with the force of a moderate or fresh gale on exposed parts of our western and southern coasts. During the latter half of the week a rather deep depression arrived off the south-west of Ireland; at first it moved slowly south-eastwards, but subsequently travelled northwards up the St. George's and Irish Channels, and finally travelled east-south-eastward and eastward across England. It was this disturbance which caused the unusually heavy rains noted above. On Saturday the Easterly, Northerly, and North-Westerly wind currents were very strong over Ireland and fresh to strong over England.

3985/370 Wy. & S. Ltd. 8 | 05.

II.—DATA from which the SUMMARY on page 199 has been calculated.

Districts. Aug. 20-26, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head	59	44	57·6	48·7	52·9	+ 0·6	76	0	3	0·36	- 0·40	*	*	*	*
	Stornoway	68	41	60·6	46·3	53·0	- 0·8	77	0	6	0·36	- 0·50	41·6	+ 13·1	41	+ 13
	Wick	64	40	60·9	46·9	53·5	- 0·7	81	0	6	0·27	- 0·33	*	*	*	*
	Lairg S	70	41	63·3	45·1	53·7	- 0·3	82	0	5	0·35	- 0·29	*	*	*	*
	Glencarron S	64	41	60·1	45·2	52·2	- 1·9	71	0	4	0·36	- 1·21	*	*	*	*
	Fort Augustus S	64	38	61·4	46·4	53·5	- 2·4	81	0	4	0·18	- 0·59	28·2	+ 8·7	28	+ 9
1. SCOTLAND, E.	Nairn	67	37	63·3	44·0	53·1	- 2·8	78	0	3	0·14	- 0·46	*	*	*	*
	Aberdeen	66	45	60·9	47·7	53·9	- 1·6	83	0	3	0·61	- 0·06	28·3	- 5·1	28	- 5
	Braemar S	62	40	57·7	44·4	50·7	- 2·1	61	0	3	0·43	- 0·41	*	*	*	*
	Clathick S	71	42	65·3	46·1	55·1	- 1·2	92	0	4	0·44	- 0·40	*	*	*	*
	Leith	71	47	65·3	50·3	57·4	- 0·2	108	0	5	0·88	+ 0·30	*	*	*	*
	Marchmont S	65	43	62·7	46·3	54·0	- 1·3	84	0	4	1·94	+ 1·17	35·9	+ 2·6	36	+ 3
2. ENGLAND, N.E	Alnwick Castle	68	39	63·8	47·5	55·2	- 1·0	92	0	4	1·84	+ 1·15	*	*	*	*
	Durham	69	40	63·3	49·7	56·1	- 1·1	99	0	5	0·76	+ 0·16	30·9	- 1·1	31	- 1
	Shields	70	46	65·7	49·7	57·2	+ 0·2	106	0	5	0·63	+ 0·02	*	*	*	*
	Scarborough M	71	50	64·0	52·9	58·1	+ 0·1	113	0	6	1·07	+ 0·47	30·4	—	31	—
	Spurn Head	72	53	64·9	54·3	59·3	+ 0·3	121	0	6	0·82	+ 0·40	*	*	*	*
	Lincoln	73	46	68·1	51·9	59·5	+ 0·7	123	0	5	0·59	+ 0·05	*	*	*	*
	Fulbeck (Lincolnshire)	71	47	67·8	51·6	59·2	+ 0·5	120	0	4	0·51	- 0·04	39·8	—	41	—
3. ENGLAND, E.	Hillington M	75	45	70·1	50·1	59·5	+ 0·1	123	0	5	0·40	- 0·23	31·6	- 6·8	32	- 7
	Yarmouth	68	49	66·1	54·6	60·0	0·0	126	0	4	0·52	- 0·01	*	*	*	*
	Geldeston	75	45	70·0	50·6	59·7	0·0	124	0	3	0·30	- 0·16	40·3	- 1·2	41	- 1
	Cambridge	74	45	70·0	50·9	59·9	- 0·3	125	0	6	0·45	- 0·08	41·0	+ 0·5	42	+ 1
	Felixstowe	72	47	69·1	54·6	61·4	+ 1·7	136	0	3	0·27	—	49·3	—	50	—
	Clacton-on-Sea	72	48	68·7	55·7	61·8	+ 1·8	139	0	5	0·44	—	42·9	—	44	—
	Rothamsted	70	44	67·1	49·3	57·7	- 1·4	110	0	5	0·50	- 0·05	39·5	- 1·8	40	- 2
	Shoeburyness	71	50	69·0	54·7	61·4	+ 0·7	136	0	3	0·37	- 0·04	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	68	44	64·5	50·4	57·0	0·0	105	0	5	1·76	+ 1·09	36·4	—	37	—
	Bawtry (Hesley Hall)	73	41	68·1	49·7	58·4	- 0·3	115	0	4	1·11	+ 0·57	*	*	*	*
	Nottingham	71	44	67·1	50·7	58·4	- 0·6	115	0	5	0·59	+ 0·03	38·5	—	39	—
	Colly Weston (Stamford)	74	46	69·0	51·6	59·8	- 0·1	125	0	4	0·49	- 0·05	*	*	*	*
	Cheadle M	67	47	63·9	51·1	57·1	+ 0·2	106	0	5	1·51	+ 0·74	*	*	*	*
	Birmingham (Edgbaston)	67	47	64·9	50·8	57·4	- 1·9	108	0	6	0·99	+ 0·36	38·3	—	39	—
	Shrewsbury	69	45	65·6	49·6	57·1	- 1·3	106	0	7	0·94	—	*	*	*	*
	Hereford M	71	44	65·0	49·0	56·5	- 2·9	102	0	6	1·11	+ 0·55	*	*	*	*
	Cirencester	68	41	65·3	48·6	56·5	- 1·4	102	0	5	0·49	- 0·20	32·5	- 7·0	33	- 7
	Oxford	69	45	66·1	51·4	58·3	- 1·8	114	0	3	0·44	- 0·10	34·5	- 5·9	35	- 6
	Westminster	70	46	68·0	53·0	60·1	- 1·2	127	0	4	0·30	—	41·5	+ 5·8	42	+ 6
5. ENGLAND, S.	London (Brixton)	73	44	70·3	52·3	60·8	- 0·5	132	0	4	0·31	- 0·21	40·7‡	+ 3·2‡	42‡	+ 3‡
	Wisley (Surrey)	71	44	68·4	51·5	59·4	- 1·9	122	0	5	0·30	—	45·6	—	47	—
	Swarraton (Alresford) M	68	37	65·6	49·2	56·9	- 1·5	104	0	4	0·59	- 0·05	*	*	*	*
	Tunbridge Wells M	72	44	67·9	51·4	59·2	- 0·7	120	0	3	0·44	—	52·0	—	53	—
	Dungeness	69	46	67·3	56·3	61·5	+ 0·3	137	0	4	0·62	+ 0·17	56·5	—	58	—
	Hastings (St. Leonards)	69	47	66·9	54·2	60·2	- 0·9	127	0	5	0·92	+ 0·37	50·0	+ 3·9	52	+ 4
	Southampton	71	44	68·1	52·8	60·0	- 1·2	126	0	6	0·53	- 0·08	43·5	- 1·5	45	- 1
	Portland Bill	66	53	64·6	55·4	59·7	- 0·8	124	0	4	0·39	—	*	*	*	*
	Shaftesbury M	67	47	63·3	50·6	56·6	- 2·5	102	0	5	0·93	+ 0·27	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	66	42	63·2	47·4	54·8	- 1·5	90	0	3	0·54	- 0·78	*	*	*	*
	Glasgow	66	47	61·9	49·7	55·4	- 0·7	94	0	5	0·70	- 0·20	37·6	+ 9·8	38	+ 10
	Cally S	67	44	59·9	46·1	52·6	- 3·4	74	0	5	1·82	+ 0·76	*	*	*	*
	Aspatria	68	42	62·5	47·9	54·8	- 1·5	90	0	4	0·77	—	29·7	—	30	—
	Douglas (Isle of Man)	65	42	60·4	48·3	54·0	- 2·5	84	0	4	2·74	+ 1·86	27·9	- 9·5	28	- 10
7. ENGLAND, N.W.	Newton Rigg	67	43	61·6	47·4	54·1	- 1·8	85	0	5	0·44	—	28·8	—	29	—
	Stonyhurst	65	48	62·4	52·2	57·0	- 0·3	105	0	4	1·34	+ 0·17	31·8	- 0·6	32	- 1
	Blackpool M	65	48	63·6	51·3	57·1	- 1·4	106	0	4	1·34	+ 0·56	42·2	+ 8·7	43	+ 9
	Manchester (Prestwich)	70	47	65·4	51·5	58·0	+ 0·3	112	0	5	1·85	+ 1·00	34·7	—	35	—
	Liverpool Obsy. (Bidston)	66	50	63·9	52·7	58·0	- 1·3	112	0	4	0·68	+ 0·01	39·4	—	40	—
	Chester (Hawarden Bridge)	67	50	65·4	51·7	58·1	- 1·2	113	0	5	1·23	—	*	*	*	*
	Llandudno M	66	50	64·0	52·7	58·0	- 1·5	112	0	3	1·09	+ 0·44	27·7	- 7·5	28	- 8
	Holyhead	65	50	62·0	52·1	56·8	- 1·8	104	0	5	2·48	+ 1·80	*	*	*	*
	Bettws-y-Coed	71	44	64·3	48·4	55·9	- 3·0	97	0	6	1·62	—	24·6	—	25	—
8. ENGLAND, S.W.	Llangammarch Wells	63	35	60·9	45·8	52·9	- 4·9	76	0	6	1·68	—	—	—	—	—
	Pembroke	64	51	61·0	54·0	57·3	- 1·5	107	0	5	1·67	+ 1·00	27·8	- 14·2	28	- 15
	Cardiff	68	44	64·9	49·6	56·8	- 3·2	104	0	5	0·97	—	*	*	*	*
	Clifton	67	50	65·4	52·8	58·7	- 1·1	117	0	6	1·15	+ 0·38	*	*	*	*
	Bath	68	42	65·9	50·3	57·6	- 3·1	109	0	5	1·06	+ 0·42	40·8	—	42	—
	Arlington (N. Devon)	64	46	61·9	49·3	55·2	- 2·9	92	0	7	1·99	+ 0·85	*	*	*	*
	Cullompton M	69	41	65·7	50·2	57·5	- 1·7	109	0	5	0·78	+ 0·13	17·6	- 22·4	18	- 23
	Falmouth	66	51	63·6	52·9	57·9	- 2·1	111	0	5	1·97	+ 1·14	33·2	- 13·3	34	- 14
	Plymouth	67	50	63·9	53·8	58·6	- 1·7	116	0	5	1·58	+ 0·91	26·5	- 16·6	27	- 17
9. IRELAND, N.	Malin Head	69	45	61·0	48·7	54·5	- 2·5	88	0	6	0·67	- 0·07	*	*	*	*
	Edenfel (Omagh)	67	42	60·6	46·9	53·3	- 2·4	79	0	6	1·81	+ 0·98	*	*	*	*
	Blacksod Point	61	50	59·9	52·1	55·8	- 2·0	97	0	7	1·09	- 0·06	*	*	*	*
	Markree Castle	65	41	60·6	48·4	54·1	- 2·0	85	0	4	1·33	+ 0·39	22·3	- 6·2	23	- 6
	Armagh	66	45	61·5	48·0	54·4	- 2·5	87	0	6	3·79	+ 3·06	24·7	- 3·3	25	- 3
	onaghadee	62	43	59·4	48·7	53·7	- 3·3	82	0	7	2·42	+ 1·78	*	*	*	*
10. IRELAND, S.	Dublin	66	48	62·8	51·6	56·9	- 1·9	104	0	6	4·11	+ 3·45	21·3	- 14·7	22	- 15
	Birr Castle	66	46	61·6	49·6	55·2	- 2·3	92	0	6	3·12	+ 2·28	22·7	- 8·3	23	- 8
	Kilkenny	65	40	62·0	49·0	55·1	- 3·3	92	0	6	2·39	+ 1·63	*	*	*	*
	Waterford	69	48	65·6	50·3	57·5	- 0·9	109	0	6	2·26	+ 1·44	*	*	*	*
	Roche's Point	66	50	61·0	52·7	56·6	- 2·7	102	0	7	2·44	+ 1·57	*	*	*	*
	Valencia	63	49	60·7	52·9	56·6	- 2·0	102	0	7	1·06	- 0·04	27·0	- 6·6	28	- 7
	Killarney	67	49	61·9	52·6	57·0	- 1·2	105	0	7	1·82	+ 0·77	*	*	*	*
	Foynes	64	48	60·1	51·9	55·8	- 2·2	97	0	7	1·86	+ 0·94	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	65	53	62·9	55·1	58·8	- 1·7	118	0	7	1·55	+ 0·97	35·1	- 15·9	36	- 16
	Jersey (St. Aubyn's)	68	49	66·0	56·7	61·1	- 1·4	134	0	6	0·65	+ 0·08	43·9	- 9·6	45	- 10

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

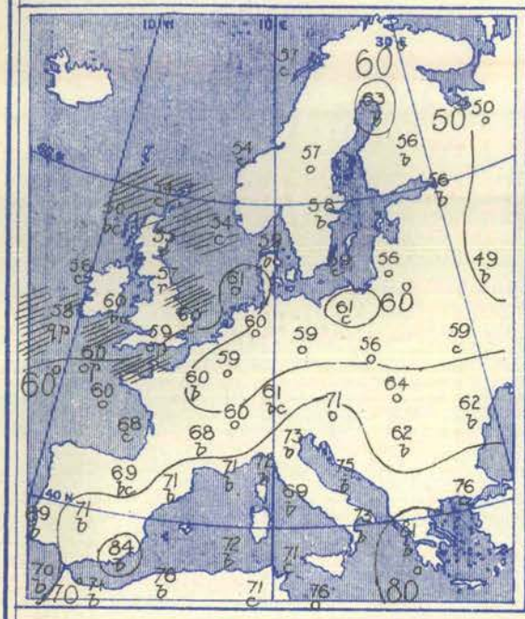
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

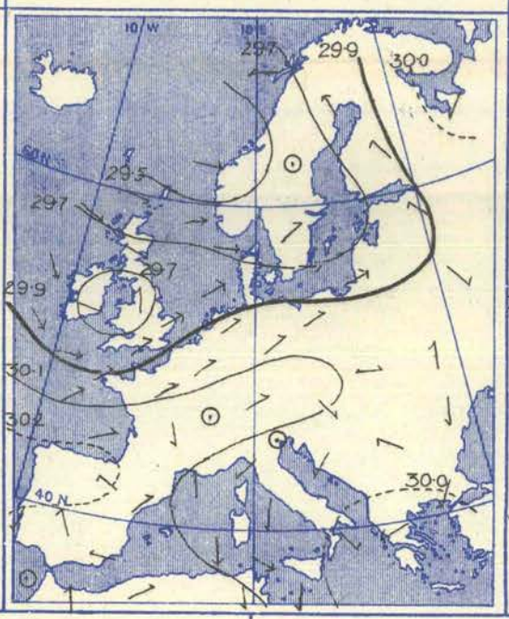
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 20th August, 1905.

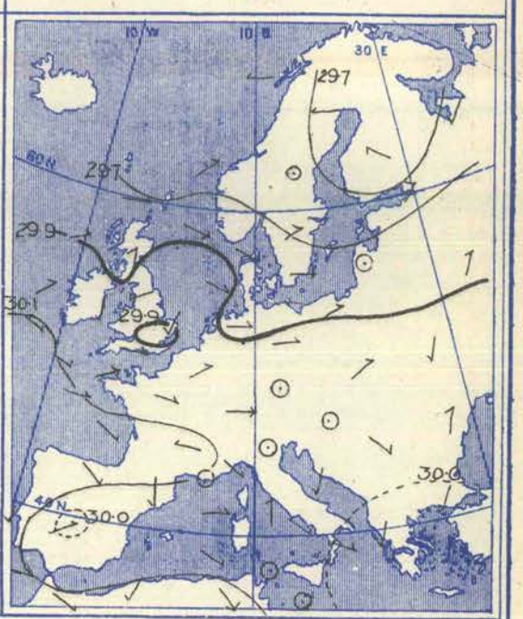
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast over our Islands and their neighbourhood, with rain or passing showers in several places. Fair or fine in most other regions, but rainy at Hangö. Rain falling later in various parts of our Islands and the northern countries of the Continent—largest amount, 0·7 in. at Archangel.

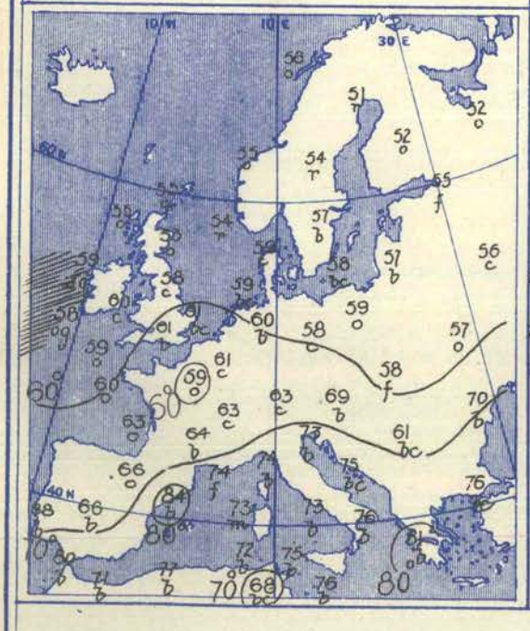
Temperature fallen at most stations. Morning readings highest, 81° in Greece, 79° at Cape Sicié, 76° at Malta, and about 70° at many other southern stations. Lowest, 49° at Moscow, 50° at Stornoway and Wick, and also at Archangel. Rising subsequently to 71° at Clacton-on-Sea, to 80° or above over the southern countries of the Continent, and to above 90° in places. Highest values, 91° at Cagliari, 97° at Pesaro, and 99° at San Fernando.

Wind in morning circulating cyclonically over our Islands, the North-Westerly wind in the west and that from West or South-West in the south and east blowing freshly or strongly. Fresh or strong Westerly winds prevailing over the Baltic and a strong South-Easterly breeze at Haparanda. Light and variable airs in most parts of the Mediterranean region, but a fresh or strong Northerly breeze blowing at Cagliari and Palermo. Little change of a general character occurring later; backing in the west of Ireland.

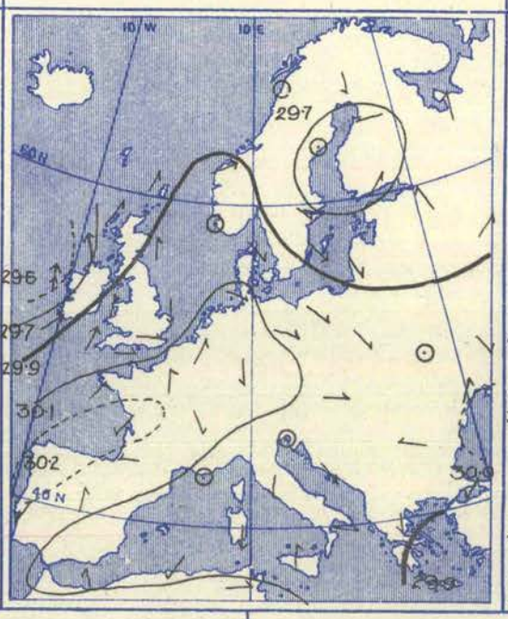
Barometer at 8 a.m. above 30·2 ins. in an anticyclone centred over the north of Spain and the adjacent part of the Bay of Biscay. Below 29·5 ins. in a depression of decreasing energy over the north-west of Norway and its vicinity, and below 29·6 ins. in a well-marked system centred over the Irish Sea. Relatively low over south-eastern Europe. Western disturbance travelling across England during day and becoming less deep. Barometer rising briskly on our west coasts during day, but ceasing towards night.

Monday, 21st August, 1905.

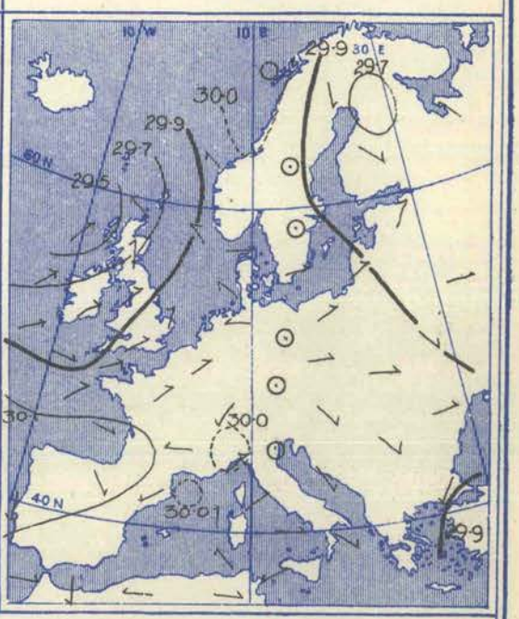
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over our area generally, but rainy in the north of Sweden, at Skudesnaes, Warsaw, and at some Irish stations, and cloudy or overcast in most parts of Great Britain and France. Rain experienced later at most of our own stations, in Brittany, Normandy, and in the far north of Europe—largest amount, 1·4 in. at La Hague. Thunderstorms occurring at some French stations.

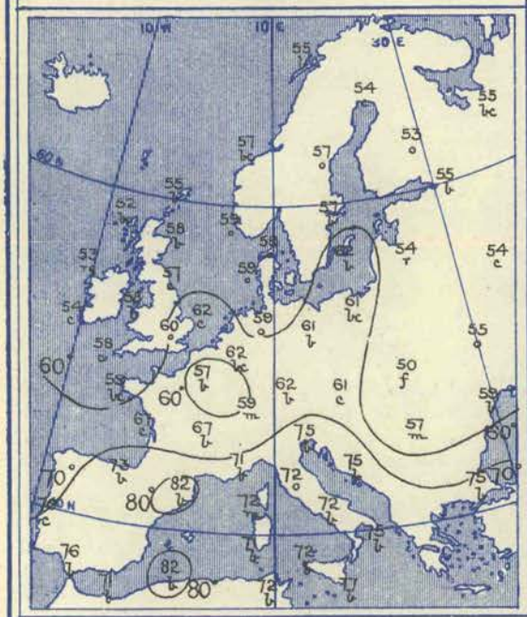
Temperature showing no decided change. Morning readings ranging from 84° at Barcelona, 81° at Athens, 80° at San Fernando, and above 70° generally in the south, to 53° in the north-east of Scotland, 52° at Archangel, and to 51° at Haparanda. Rising during day to 99° at Aumale, 95° at San Fernando, 91° at Cagliari, 86° at Barcelona, about 70° in Germany and on our south-east and east coasts, and to above 60° in Sweden.

Wind in morning blowing a fresh Southerly gale at Blacksod Point and freshly or strongly from the Southward on our western coasts generally. A complete cyclonic circulation prevailing over the north of Europe and a light anticyclonic movement in the south-west. Wind veering towards West later on our west and south coasts; continuing to blow with considerable force on our coasts generally, but gale subsiding at Blacksod Point.

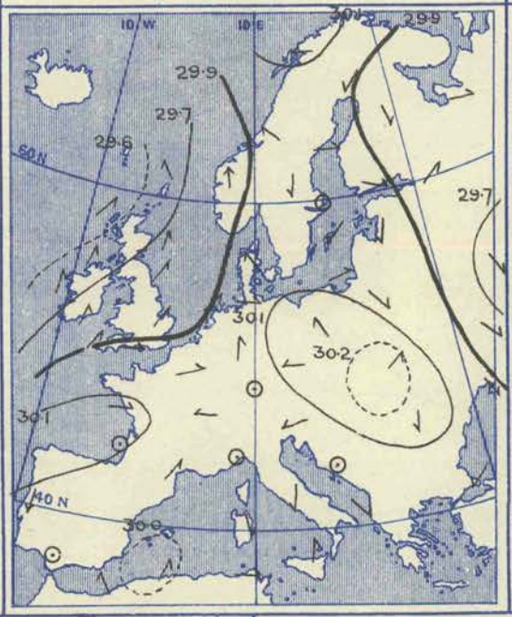
Barometer at 8 a.m. highest, 30·1 ins, to 30·2 ins, in an anticyclone stretching from Spain and the Bay of Biscay to Germany. Lowest, 29·6 ins, and less in a depression centred off the north-west of Ireland. Below 29·7 ins, in another disturbance over Finland, and below 29·9 ins. over the Grecian Archipelago. Irish depression travelling north-eastwards during day and a secondary appearing in the south-west of our Islands. Gradients decreasing over Ireland, increasing in Scotland.

Tuesday, 22nd August, 1905.

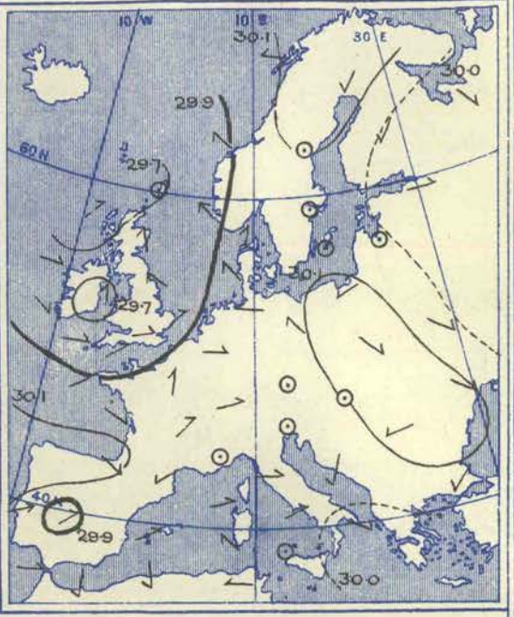
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine generally, but rainy at Blacksod Point and Riga, and overcast in a few other places. Thunderstorms later in various parts of the United Kingdom and France; heavy rain in the Low Countries, and smaller amounts in Russia—largest measurements, 1·5 in. at Utrecht and the Helder, 1·2 in. at Holyhead, and 0·8 in. at Paris.

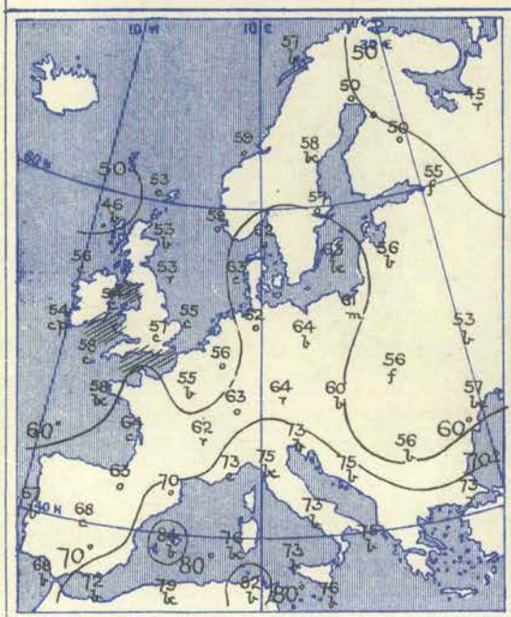
Temperature fallen in most places. Morning readings highest, 82° at Algiers and Barcelona, 77° at Malta, 75° at Trieste, and above 70° in the south generally. Lowest, 50° at Lemberg, 52° at Stornoway and Donaghadee, 54° at Haparanda, Riga, and Moscow. Maxima during day, 72° at Margate, about 80° or several degrees higher over the more southern countries. Highest values, 91° at Tunis and 96° at Madrid.

Wind at 8 a.m. cyclonic over our Islands and their neighbourhood and also over Russia. Anticyclonic in almost all other regions. Light or moderate generally, but fresh from South-South-West at Pembroke and strong from North-West at Nicolaieff. No general change later; a cyclonic circulation setting in around the Irish Sea.

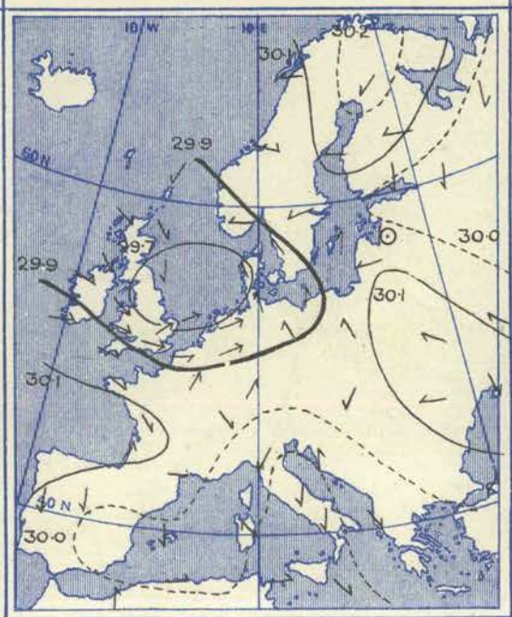
Barometer at 8 a.m. highest, 30·1 ins. and upwards (1) over central Europe, (2) the north of Spain and its vicinity, (3) the extreme north of Norway. Lowest, 29·6 ins. and less in a depression off our north-west coasts. A secondary system appearing over the Irish Sea by evening and subsequently travelling eastwards and increasing in energy. General distribution of pressure undergoing little modification.

Wednesday, 23rd August, 1905.

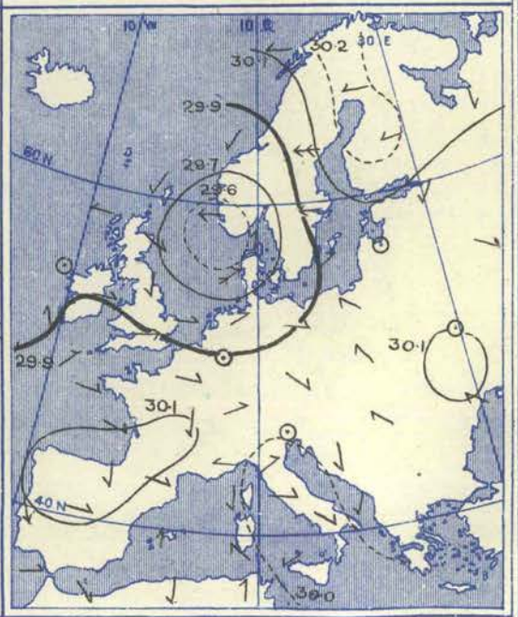
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very unsettled and rough over the greater part of our Islands, with showers in several places. Fair or fine in most Continental regions, but rain falling at Lyons, Munich, and Archangel, and fog prevailing over the Gulf of Finland. Rain falling later over various districts on the northern part of the Continent and in the south of France, and showers at most of our own stations.

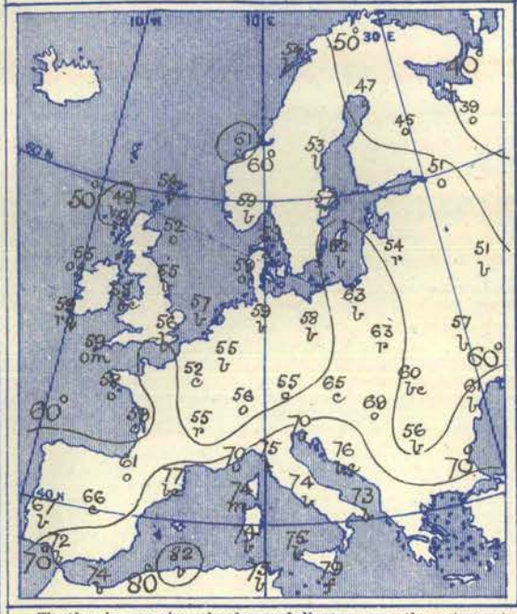
Temperature fallen over our area as a whole; risen over Germany and Denmark. Morning readings highest, 84° at Palma, 76° at Malta, 75° at Leghorn, 73° at Trieste. Lowest, (1) 45° at Archangel, 50° at Haparanda and Kuopio, (2) 46° at Stornoway, 51° at Nairn, 53° at Nottingham. Rising subsequently to 99° at Madrid, 93° at Algiers, 91° at Palma, and above 80° in the Mediterranean region generally. Remaining below 70° at all our own stations and below 60° in places.

Wind at 8 a.m. circulating cyclonically around the North Sea. North-Westerly and Westerly currents strong to a moderate gale on our western and southern coasts. Light or moderate and mainly anticyclonic over the major portion of the Continent. Moderating somewhat in force over our Islands later and backing to South-South-East at Valencia. Increasing to a gale from South-West on the Danish coast and from East at Hernösand.

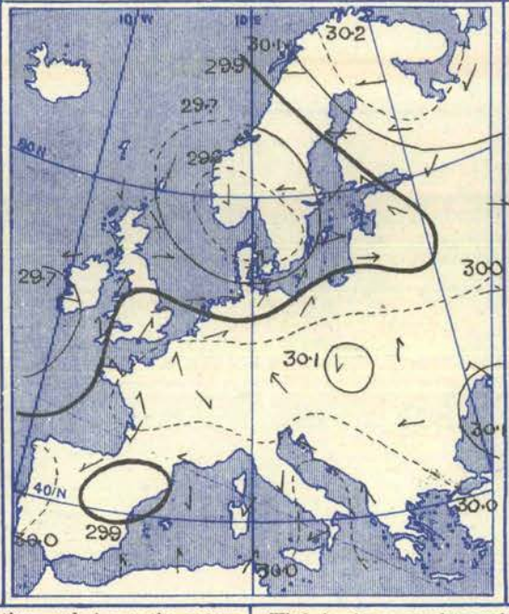
Barometer at 8 a.m. highest, 30·2 ins. and upwards in an anticyclone over Lapland and above 30·1 ins. in two other areas—one over the Bay of Biscay region and the other over the east and south-east of Europe. Lowest, about 29·6 ins. in the centre of a depression over the North Sea. Relatively low in an irregularly shaped band over the Mediterranean and southern Europe. Depression travelling slowly north-eastwards during day; another fall of the barometer setting in in Ireland.

Thursday, 24th August, 1905.

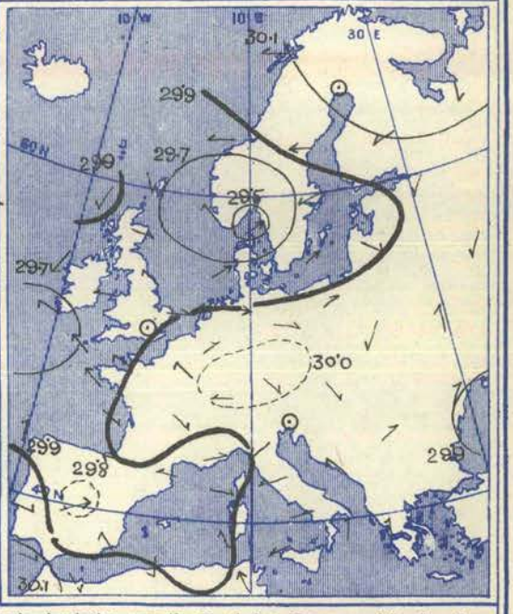
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull at our south-western stations, and also on the eastern shores of the North Sea, with rain at Valencia, at some of the Swedish stations, and locally at Lyons, Riga, and Warsaw, fair or fine in most other places. Heavy rain later over our south-western districts, as much as 2 ins. measured at Roche's Point, and amounts exceeding 0·6 in. reported from Valencia, Birr Castle, and Scilly. Rain also experienced at many of the Scandinavian and Baltic stations.

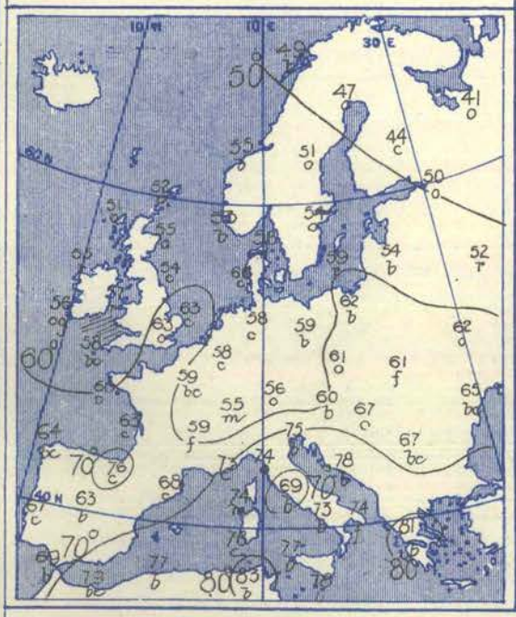
Temperature risen a little over our Islands, fallen at most of the Continental stations. Morning readings highest, 82° at Algiers and 81° at Aumale, above 70° over the southern districts, and above 60° over Spain and the central districts. Highest in our Islands, 61° at Leith. Lowest, 39° at Archangel, 45° at Kuopio, 47° at Uleaborg, 48° at Haparanda, 49° at Stornoway. Rising during day to 71° at Leith and 69° at Torquay and Lowestoft. Much higher values recorded at the Continental stations, the thermometer rising to above 80° over nearly all the southern countries, and reaching 90° at Brindisi and Nemours, 97° at Sanguinaires, 100° at Aumale, and 107° at Biskra.

Wind showing a complete cyclonic circulation over the North Sea, Norway, and Sweden, the Easterly wind at Hernösand blowing with the force of a strong gale. Light and very variable over all the central and southern European countries, Easterly over the Baltic and northern Europe, South-Easterly in the south-west of our Islands and over the Bay of Biscay. No material change later.

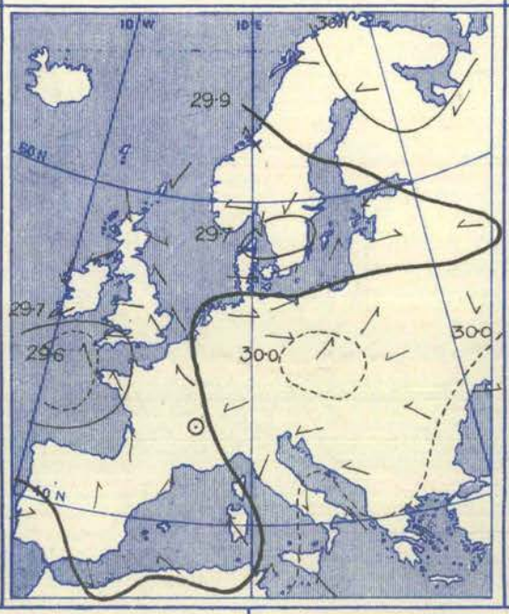
Barometer highest, 30·2 ins. and upwards in an anticyclone over northern Russia, 30·1 ins. and upwards over the Black Sea, and 30·0 ins. and upwards over Portugal and also over Italy. Lowest, 29·6 ins. and less in a well defined disturbance lying over the North Sea, 29·7 ins. and less in another system off our south-west coasts, and 29·9 ins. and less in a shallow depression over Spain. North Sea disturbance moving a little to the eastward later, and Spanish depression becoming rather deeper. No other change of importance.

Friday, 25th August, 1905.

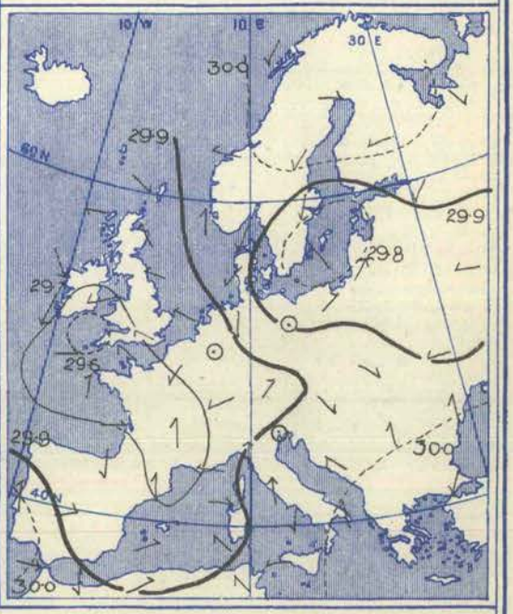
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast over our Islands and Brittany, with rain in the west. Dull and rainy over Denmark and the south of Sweden. Fair or fine in most other regions. Extremely heavy rain falling later over Ireland and the Gulf of Finland and considerable amounts in many other regions—heaviest amounts, 1·8 in. at Helsingfors, 1·9 in. at Birr Castle, 1·37 in. at Donaghadee, and 1·1 in. at Holyhead. Still larger falls occurred in the east of Ireland; at 9 a.m. on 26th 4·45 ins. were measured at Bray and about 3·5 ins. in Dublin.

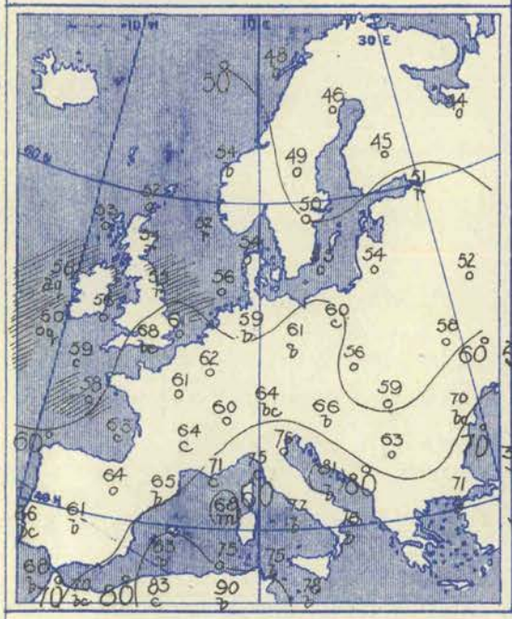
Temperature changed rather irregularly. Morning values highest, 83° at La Calle, 81° at Patras, and between 70° and 80° in the south generally. Lowest, 41° at Archangel, 44° at Kuopio, 52° at Moscow, 51° at Stornoway and Birr Castle. Rising later to about 70° on our south-east coast, to 80° or above in the more southern countries, and to above 90° in places. Highest values, 93° at Algiers and La Calle, and 109° at Biskra.

Wind at 8 a.m. showing two cyclonic circulations—one over the Baltic region and the other around the Bay of Biscay. Light or moderate as a whole, but fresh or strong breezes prevailing at some stations. Little change occurring later.

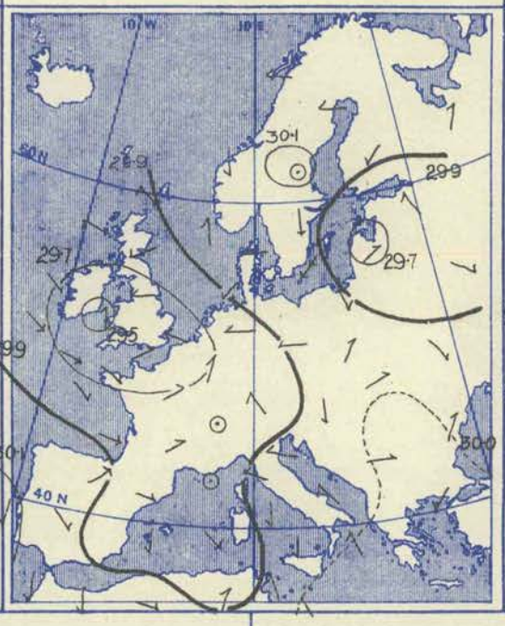
Barometer in morning ranging from above 30·1 ins. in the far north of Europe and 30·0 ins. over Bohemia, to below 29·7 ins. in a depression over the south of Sweden, and to less than 29·6 ins. in another system off our own south-west coasts. Latter moving north-north-eastwards to the Bristol Channel by evening and the depression over Sweden travelling eastwards. Pressure giving way somewhat over central Europe.

Saturday, 26th August, 1905.

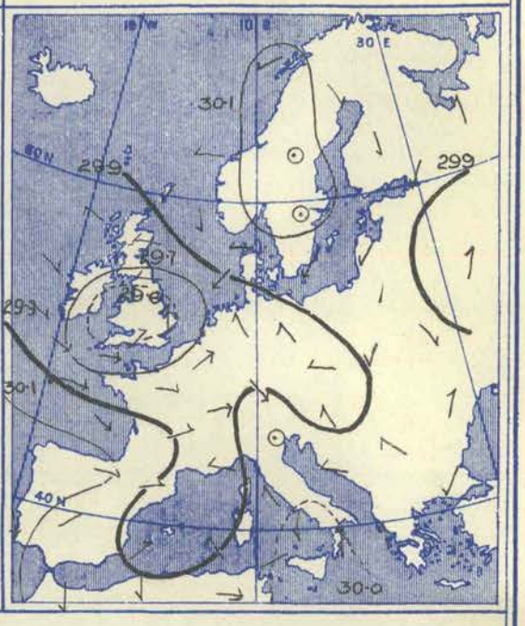
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather at 8 a.m. very unsettled over the northern half of our area, fine in the south. Rainy in Ireland and Wales, and also at the Helder, in the north-east of Great Britain, at Skudesnaes, and on the shores of the Gulf of Finland. Rain later at almost all our own stations and in many Continental regions. Thunder at Spurn Head and thunderstorms at Tunis, Turin, and in several parts of France. Heaviest rainfall, 1·0 in. at Charleville, 1·1 in. at Warsaw, and 5·2 ins. at Lugano.

Temperature changed irregularly. Morning values ranging from 90° at La Calle, 83° at Palma, and only a few degrees less than 80° at several other southern stations to below 60° in most parts of our Islands, and to below 50° over northern Europe. Lowest readings, 45° at Kuopio and 44° at Archangel. Rising subsequently to 97° at Athens and La Calle, to 90° at Palma, Florence, and Buda-Pesth, and to above 80° in the south generally. Highest readings in our Islands about 70°.

Wind at 8 a.m. showing two chief cyclonic circulations—one around the Irish Sea and the other around Courland. Strong to a slight gale on the coasts of England and Ireland, as well as over the northern portion of the Baltic. Light anticyclonic airs prevailing in the north and extreme south-west of our area. Not much change taking place during day.

Barometer in morning highest, 30·1 ins. in Portugal and central Sweden, and above 30·0 ins. over south-eastern Europe. Lowest, less than 29·5 ins. in a depression centred near Dublin, and below 29·7 ins. over Courland. Irish depression moving to England later, but that over Courland disappearing. Barometer rising over northern Europe and also on our most western coasts and over the Bay of Biscay.

IV.—GENERAL NOTES, etc.

The general distribution of pressure favoured the passage of depressions from the Atlantic over our Islands. As a rule the barometer was highest in the extreme south-west of our area and rather high over the central European countries, while towards the end of the week it became high in the far north also. Cyclonic disturbances followed each other rather closely over the United Kingdom or its immediate neighbourhood. Some of the systems were rather deep; that of Wednesday produced very strong winds or gales from some Westerly point on our west and south coasts, while that at the end of the week, after having caused exceedingly heavy rains in Ireland, produced an Easterly gale at Donaghadee and strong winds from North-West on our west and south-west coasts generally. The finest part of the Continent was the south, where rain was very rare or altogether absent. Some considerable falls of rain, accompanied in places by thunder, were experienced over the central countries. At Lugano on Saturday the large amount of 5·2 ins. was measured at 7 a.m. Temperature showed a further downward tendency over all the northern regions, but the southern and Mediterranean district suffered little diminution of heat.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 200.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	30·1	+ 3·9	30	+ 4	CROMER	37·8	—	39	—	LOGNOR	45·8	—	47	—
STRATHPEFFER SPA	27·0	− 0·2	27	0	LOWESTOFT	46·9	—	48	—	VENTNOR HOSPITAL	43·0	− 2·7	44	− 3
CRATHES	34·7	—	34	—	DUNMOW	43·2	—	44	—	BOURNEMOUTH	42·9	—	44	—
BALRUDDERY	38·5	—	38	—	SHEFFIELD	35·0	—	35	—	MARLBOROUGH	31·3	− 7·7	32	− 8
EDINBURGH	35·5	+ 4·2	36	+ 4	WORKSOP	25·0	− 6·9	25	− 7	SOUTHPORT	37·9	—	38	—
COCKLE PARK	34·5	—	35	—	MARGATE	50·4	+ 9·4	51	+ 10	RHYL	36·9	—	37	—
NEWCASTLE-on-TYNE	24·3	—	24	—	BROADSTAIRS	—	—	—	—	ABERDOVEY	31·0	—	32	—
SALTBURN-by-the-SEA	33·5	—	34	—	RAMSGATE	55·7	—	57	—	TENBY	32·3	− 10·0	33	− 10
YORK	33·5	+ 1·2	34	+ 1	EASTBOURNE	49·3	+ 4·3	51	+ 5	TORQUAY	32·3	− 12·3	33	− 13
SKEGNESS	32·3	—	33	—	BRIGHTON	47·1	+ 0·1	49	0	NEWQUAY	29·6	− 15·9	31	− 16
					WORTHING	51·4	—	53	—	GUERNSEY	44·6	− 8·9	46	− 9

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 26, page 152	Bettws-y-Coed	—	—	—	—	—	—	—	—	3	0·62	—	—	—	—	—
,, 27, ,, 158	Dungeness	—	—	—	—	—	—	—	—	—	—	—	45·9	—	50	—
,, 28, ,, 164	,,	—	—	—	—	—	—	—	—	—	—	—	54·2	—	48	—
,, 29, ,, 170	Nottingham	—	—	—	—	—	—	—	—	1	0·02	− 0·55	—	—	—	—
,, 29, ,, 170	Dungeness	—	—	—	—	—	—	—	—	—	—	—	65·6	—	60	—
,, 30, ,, 176	Lincoln	—	—	—	—	—	—	—	—	—	0·44	− 0·09	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 35. THIRTY-FIFTH WEEK, ENDING SATURDAY, SEPTEMBER 2ND, 1905. *[Price 6d. Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 206.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	64	41	58·2	50·0	53·9	1 above	83	+ 6	0	−1	1551	+ 37	476	− 81
	1. SCOTLAND, EAST	68	39	60·0	50·1	54·8	0 (average)	90	+ 3	0	0	1822	+ 8	505	−100
	2. ENGLAND, N.E.	71	47	62·2	52·2	56·9	0 (average)	104	+ 5	0	0	2168*	+208	374	−124
	3. ENGLAND, EAST	69	47	63·1	52·5	57·5	1 below	109	− 2	0	0	2454	+189	349	−193
	4. MIDLAND COUNTIES	69	45	62·1	50·6	56·0	1 below	98	− 8	0	0	2436	+173	394	−157
	5. ENGLAND, SOUTH	69	44	63·3	52·1	57·4	2 below	108	−14	0	0	2473	+ 9	268	−135
Principal Grazing Districts.	6. SCOTLAND, WEST	68	37	61·0	50·0	55·2	0 (average)	92	0	0	0	2003	+ 89	313	−112
	7. ENGLAND, N.W.	69	40	61·3	51·8	56·2	1 below	99	− 4	0	0	2161	+ 75	273	−131
	8. ENGLAND, S.W.	67	41	62·4	51·5	56·6	2 below	102	− 9	0	0	2342	+ 37	222	− 85
	9. IRELAND, NORTH	65	45	60·4	52·1	56·0	0 (average)	98	+ 2	0	0	2065	+ 34	271	− 81
	10. IRELAND SOUTH	68	45	62·5	52·2	57·0	0 (average)	105	0	0	0	2441	+136	166	− 92
	— CHANNEL ISLANDS	65	50	62·6	54·9	58·6	2 below	116	−14	0	0	2713	+107	55	− 65

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 206.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	12	3 more	182	+35	32·3	+ 5·2	9	−16	9	−16	903	+ 10	27	0
	1. SCOTLAND, EAST	6	7	0 (average)	141	+14	16·9	− 2·8	12	−19	12	−19	1068	+ 11	32	0
	2. ENGLAND, N.E.	5	7	1 more	107	−10	11·5	− 4·2	19	−11	19	−12	1181	+ 62	36	+ 2
	3. ENGLAND, EAST	5	13	8 more	112	− 5	13·3	− 1·7	16	−23	17	−24	1300	+ 59	40	+ 2
	4. MIDLAND COUNTIES	4	10	4 more	117	+ 4	15·0	− 2·5	20	−15	21	−16	1129	+ 22	35	+ 1
	5. ENGLAND, SOUTH	4	11	5 more	113	+ 3	16·6	− 0·3	19	−20	20	−21	1264	+ 17	39	+ 1
Principal Grazing Districts.	6. SCOTLAND, WEST	4	13	2 more	138	+ 6	29·6	− 0·8	13	−17	13	−17	1167	+ 75	36	+ 2
	7. ENGLAND, N.W.	5	10	2 more	129	+ 6	19·7	− 1·2	18	−12	18	−13	1173	+161	36	+ 5
	8. ENGLAND, S.W.	4	10	3 more	127	+ 4	21·3	− 1·6	34	− 6	37	− 6	1182	− 85	37	− 3
	9. IRELAND, NORTH	5	9	0 (average)	157	+ 7	23·3	+ 0·6	9	−19	10	−19	1119	+138	34	+ 4
	10. IRELAND, SOUTH	5	9	1 more	145	+10	23·9	− 1·6	17	−16	18	−17	1080	− 32	33	− 1
	— CHANNEL ISLANDS	6	11	5 more	138	+12	17·6	− 1·2	46	− 3	49	− 3	1360	−115	42	− 4

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather. The general character of the week was cloudy or overcast over the Kingdom as a whole, with occasional rainy intervals. Thunderstorms were experienced in many parts of England on the three earlier days of the week. On Monday afternoon two waterspouts were observed off Cromer.

Temperature was a degree above the mean in Scotland N., but elsewhere it was either just equal to or a little below the normal. The highest of the maxima occurred, as a general rule, on Saturday, and ranged from 71° in England N.E. to 65° in Ireland N. and the Channel Islands, and to 64° in Scotland N. The lowest of the minima, which were registered on irregular dates, ranged from 37° in Scotland W. and 39° in Scotland E., to 47° in England N.E. and E., and to 50° in the Channel Islands.

Rainfall equalled the mean in Scotland E. and Ireland N., but exceeded it in all other districts. Over the southern, eastern, and central counties of England the excess was large.

Bright Sunshine was very deficient throughout the whole Kingdom. The percentage of the possible duration ranged from 49 in the Channel Islands and 37 in England S.W. to 13 in Scotland W., and to 9 in Scotland N.

Barometer and Wind. At the commencement of the week a depression was travelling away eastwards over the North Sea, but this system was speedily followed by another, which during Monday and Tuesday passed eastwards across our Islands and the North Sea. The cyclonic circulation of the wind around this disturbance was fresh or strong in most parts of the Kingdom, a Northerly gale being reported at Spurn Head on Wednesday. About the middle of the week the barometer was highest in Ireland, but further depressions appearing in the far north and north-west, the high pressure area again took up a position over the Bay of Biscay and its vicinity, and the wind over our Islands backed from the Northward to the Westward, from which direction it blew with considerable force.

4006 370 Wy. & S. Ltd. 8 | 05.

II.—DATA from which the SUMMARY on page 205 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
Aug. 27–Sept. 2, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
O. SCOTLAND, N.	Sumburgh Head	57	48	55·3	50·6	52·8	+ 1·1	76	0	7	0·51	− 0·26	*	*	*	*
	Stornoway	64	46	59·6	51·6	55·4	+ 2·6	94	0	6	1·27	+ 0·38	15·4	− 12·1	16	− 12
	Wick	63	45	57·9	50·0	53·7	+ 0·5	82	0	6	1·32	+ 0·72	*	*	*	*
	Lairg §	63	41	59·5	48·3	53·6	+ 0·6	81	0	7	0·88	+ 0·21	*	*	*	*
	Glencarron §	61	43	57·0	48·9	52·7	− 0·2	75	0	5	2·85	+ 1·20	*	*	*	*
	Fort Augustus §	63	41	59·6	50·7	54·9	+ 0·1	90	0	6	0·62	− 0·19	8·5	− 10·8	9	− 11
1. SCOTLAND, E.	Nairn	65	45	59·9	50·4	54·9	+ 0·3	90	0	7	0·73	+ 0·13	*	*	*	*
	Aberdeen	66	45	59·9	52·0	55·7	+ 1·4	96	0	5	0·71	+ 0·04	9·4	− 22·6	10	− 23
	Braemar §	60	40	57·2	47·7	52·2	+ 0·7	71	0	5	0·72	− 0·07	*	*	*	*
	Clathick §	66	39	62·4	50·2	55·9	+ 0·7	97	0	6	0·63	− 0·21	*	*	*	*
	Leith	68	44	61·9	51·3	56·3	− 0·2	100	0	6	0·72	+ 0·17	*	*	*	*
	Marchmont §	62	43	58·4	49·1	53·5	− 0·8	81	0	7	0·89	+ 0·13	13·2	− 17·8	14	− 18
2. ENGLAND, N.E	Alnwick Castle	68	48	62·0	52·1	56·8	+ 1·8	104	0	7	0·60	− 0·07	*	*	*	*
	Durham	66	48	61·3	52·4	56·6	+ 0·4	102	0	4	0·44	− 0·12	17·1	− 13·4	18	− 14
	Shields	66	48	? 61·3	50·9	? 55·8	− 0·1	97	0	6	0·44	− 0·14	*	*	*	*
	Scarborough M	71	51	62·6	53·2	57·6	+ 0·7	109	0	5	0·59	0·00	13·0	—	14	—
	Spurn Head	65	52	61·6	54·7	57·9	− 0·2	111	0	5	0·46	+ 0·05	*	*	*	*
	Lincoln	68	48	64·0	51·2	57·2	− 0·9	106	0	5	0·98	+ 0·45	*	*	*	*
	Fulbeck (Lincolnshire)	69	47	62·7	50·7	56·3	− 1·1	100	0	4	1·26	+ 0·72	22·4	—	24	—
3. ENGLAND, E.	Hillington M	69	48	63·0	51·3	56·8	− 1·1	104	0	5	1·21	+ 0·59	15·8	− 20·2	17	− 21
	Yarmouth	64	54	61·6	54·6	57·9	− 0·7	111	0	6	2·51	+ 1·97	*	*	*	*
	Geldeston	68	47	63·5	51·5	57·1	− 1·2	106	0	6	1·68	+ 1·19	12·7	− 27·2	13	− 29
	Cambridge	66	47	63·0	51·2	56·8	− 2·2	104	0	5	1·02	+ 0·52	12·7	− 25·9	13	− 27
	Felixstowe	65	50	62·8	53·5	57·9	− 0·3	111	0	5	1·10	—	18·9	—	20	—
	Clacton-on-Sea	68	51	64·1	53·7	58·6	− 0·7	116	0	5	0·68	—	19·7	—	21	—
	Rothamsted	67	47	62·3	50·5	56·1	− 1·7	99	0	5	1·80	+ 1·24	19·0	− 19·6	20	− 21
	Shoeburyness	67	49	64·3	54·0	58·8	− 1·2	118	0	4	0·47	+ 0·05	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	67	48	62·5	51·0	56·4	+ 0·4	101	0	5	0·27	− 0·39	27·4	—	29	—
	Bawtry (Hesley Hall)	69	48	63·3	50·6	56·6	− 0·6	102	0	3	0·38	− 0·13	*	*	*	*
	Nottingham	66	49	62·9	51·3	56·8	− 1·0	104	0	4	0·69	+ 0·13	20·8	—	22	—
	Colly Weston (Stamford)	68	47	62·4	50·1	55·9	− 2·5	97	0	6	1·24	+ 0·69	*	*	*	*
	Cheadle M	63	45	59·4	49·6	54·2	− 1·5	85	0	5	0·68	− 0·07	*	*	*	*
	Birmingham (Edgbaston)	65	47	60·2	50·6	55·1	− 2·1	92	0	4	1·07	+ 0·45	13·1	—	14	—
	Shrewsbury	67	46	62·2	51·2	56·4	− 1·2	101	0	4	1·13	—	*	*	*	*
	Hereford M	65	45	63·0	50·1	56·2	− 1·7	99	0	4	1·38	+ 0·82	*	*	*	*
	Cirencester	66	45	62·4	49·6	55·6	− 1·2	95	0	3	1·23	+ 0·54	25·3	− 11·4	27	− 12
	Oxford	69	48	63·1	51·6	57·0	− 1·7	105	0	5	1·73	+ 1·19	19·2	− 18·9	20	− 20
	Westminster	68	48	64·0	52·6	58·0	− 2·1	112	0	4	1·14	—	10·2	− 23·6	11	− 25
5. ENGLAND, S.	London (Brixton)	69	46	64·4	52·1	57·9	− 2·0	111	0	4	1·98	+ 1·46	11·5‡	− 23·0‡	12‡	− 24‡
	Wisley (Surrey)	68	47	63·1	52·4	57·4	− 3·3	108	0	5	1·04	—	18·4	—	20	—
	Swarraton (Alresford) M	66	44	62·4	50·9	56·3	− 0·7	100	0	6	0·99	+ 0·34	*	*	*	*
	Tunbridge Wells M	67	44	62·2	50·6	56·1	− 3·3	99	0	4	1·13	—	13·5	—	14	—
	Dungeness	66	46	64·4	53·1	58·4	− 1·7	115	0	4	1·24	+ 0·76	14·8	—	16	—
	Hastings (St. Leonards)	66	47	63·3	53·0	57·8	− 2·2	111	0	4	0·65	+ 0·08	14·0	− 30·3	15	− 32
	Southampton	68	49	66·0	52·8	59·0	− 1·1	119	0	4	1·00	+ 0·37	28·4	− 14·0	30	− 15
	Portland Bill	65	52	62·7	54·3	58·3	− 1·4	114	0	3	0·66	—	*	*	*	*
	Shaftesbury M	63	47	61·1	49·9	55·2	− 2·6	92	0	5	1·43	+ 0·73	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	68	47	63·3	51·1	56·8	+ 1·5	104	0	4	2·57	+ 1·14	*	*	*	*
	Glasgow	62	49	60·0	51·9	55·7	+ 0·9	96	0	5	0·61	− 0·29	10·6	− 15·7	11	− 16
	Cally §	62	37	58·6	46·4	52·1	− 2·9	71	0	4	1·33	+ 0·29	*	*	*	*
	Aspatria	65	39	61·1	50·2	55·3	− 0·2	93	0	4	0·70	—	9·3	—	10	—
	Douglas (Isle of Man)	63	44	61·9	50·6	55·9	+ 0·4	97	0	3	1·19	+ 0·33	18·6	− 17·4	19	− 18
7. ENGLAND, N.W.	Newton Rigg	67	40	61·2	49·4	55·0	− 0·1	91	0	5	0·67	—	14·3	—	15	—
	Stonyhurst	66	45	60·6	51·4	55·7	− 0·4	96	0	5	1·30	+ 0·14	23·8	− 7·6	25	− 8
	Blackpool M	64	42	61·7	51·1	56·1	− 1·2	99	0	5	0·81	+ 0·01	24·0	− 7·8	25	− 8
	Manchester (Prestwich)	69	45	61·4	51·4	56·1	− 0·5	99	0	4	0·90	+ 0·04	23·8	—	25	—
	Liverpool Obsy. (Bidston)	62	49	60·7	52·6	56·4	− 1·7	101	0	4	0·57	− 0·12	15·4	—	16	—
	Chester (Hawarden Bridge)	68	46	62·3	51·9	56·8	− 1·6	104	0	5	1·26	—	*	*	*	*
	Llandudno M	62	52	61·0	54·2	57·4	− 1·1	108	0	5	1·14	+ 0·48	11·9	− 21·6	13	− 23
	Holyhead	63	52	60·3	53·3	56·6	− 1·3	102	0	6	0·50	− 0·19	*	*	*	*
	Bettws-y-Coed	66	47	62·3	50·6	56·1	− 2·3	99	0	6	2·07	—	14·7	—	16	—
8. ENGLAND, S.W.	Llangammarch Wells	63	41	60·5	47·1	53·4	− 3·4	80	0	6	1·12	—	—	—	—	—
	Pembroke	62	52	60·6	53·1	56·6	− 1·4	102	0	4	1·00	+ 0·31	28·6	− 11·0	30	− 12
	Cardiff	65	47	63·6	51·0	56·9	− 2·2	104	0	4	0·64	—	*	*	*	*
	Clifton	66	50	64·2	52·4	58·0	− 0·4	112	0	4	1·46	+ 0·69	*	*	*	*
	Bath	67	49	64·0	51·4	57·3	− 1·8	107	0	4	0·93	+ 0·27	30·8	—	32	—
	Arlington (N. Devon)	63	46	60·3	50·0	54·8	− 2·1	90	0	5	1·31	+ 0·17	*	*	*	*
	Cullompton M	65	45	63·4	51·4	57·0	− 1·9	105	0	4	0·86	+ 0·17	29·4	− 8·4	31	− 9
	Falmouth	63	51	61·8	54·2	57·8	− 1·1	111	0	4	1·02	+ 0·15	44·5	+ 1·4	47	+ 1
	Plymouth	65	48	62·9	53·0	57·7	− 1·7	110	0	2	1·04	+ 0·33	32·2	− 8·6	34	− 9
9. IRELAND, N.	Malin Head	60	49	58·9	51·3	54·9	− 1·3	90	0	4	0·52	− 0·22	*	*	*	*
	Edenfel (Omagh)	65	49	60·4	51·7	55·8	+ 1·0	97	0	6	0·79	− 0·05	*	*	*	*
	Blacksod Point	61	51	59·7	53·1	56·2	− 0·7	99	0	5	1·12	+ 0·04	*	*	*	*
	Markree Castle	64	49	61·6	52·3	56·7	+ 1·5	103	0	6	1·59	+ 0·67	9·7	− 17·7	10	− 18
	Armagh	64	47	61·3	51·5	56·1	+ 0·5	99	0	5	0·85	+ 0·15	8·5	− 19·3	9	− 20
	Donaghadee	65	45	60·4	52·4	56·2	+ 0·1	99	0	5	0·25	− 0·45	*	*	*	*
10. IRELAND, S.	Dublin	66	46	62·4	52·6	57·2	− 0·5	106	0	5	1·03	+ 0·42	11·5	− 23·7	12	− 25
	Birr Castle	66	46	62·3	50·7	56·2	− 0·1	99	0	6	0·91	+ 0·14	21·8	− 9·0	23	− 10
	Kilkenny	65	45	62·6	49·9	55·9	− 1·2	97	0	4	0·67	− 0·05	*	*	*	*
	Waterford	66	48	63·9	51·6	57·4	+ 0·2	108	0	4	0·71	− 0·11	*	*	*	*
	Roche's Point	68	50	63·3	52·9	57·8	− 0·3	111	0	3	0·76	− 0·10	*	*	*	*
	Valencia	63	53	60·4	54·0	57·0	− 0·9	105	0	7	1·42	+ 0·36	17·8	− 15·1	19	− 16
	Killarney	67	51	64·0	52·5	57·9	+ 0·6	111	0	5	0·63	− 0·37	*	*	*	*
	Foynes	63	50	60·9	53·4	56·9	− 0·1	104	0	6	1·01	+ 0·17	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	62	51	61·3	53·9	57·4	− 2·4	108	0	6	1·43	+ 0·81	45·6	− 1·4	49	− 2
	Jersey (St. Aubyn's)	65	50	63·9	55·9	59·7	− 2·3	124	0	6	0·78	+ 0·15	41·2	− 8·6	44	− 9

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked § is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will found in a Table on the last page of this issue.

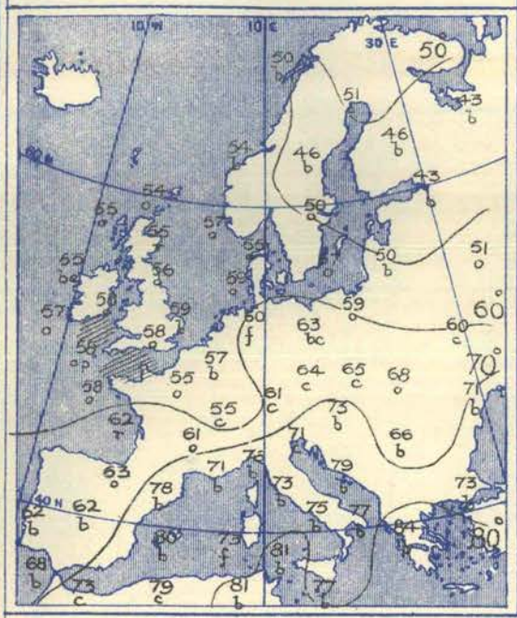
‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 27th August, 1905.

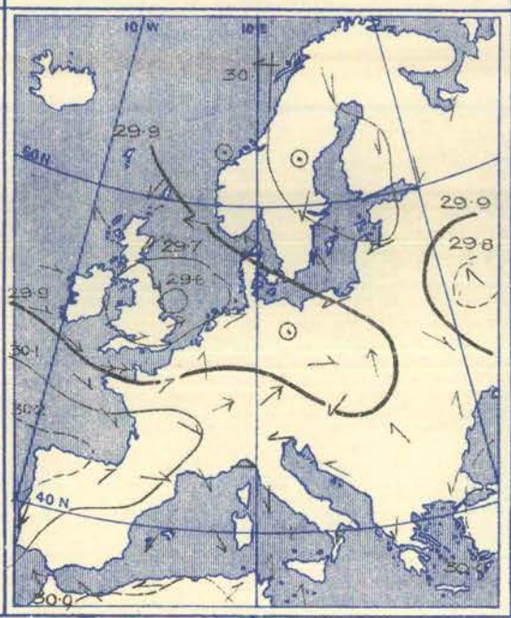
Temperature and Weather.

8 a.m.

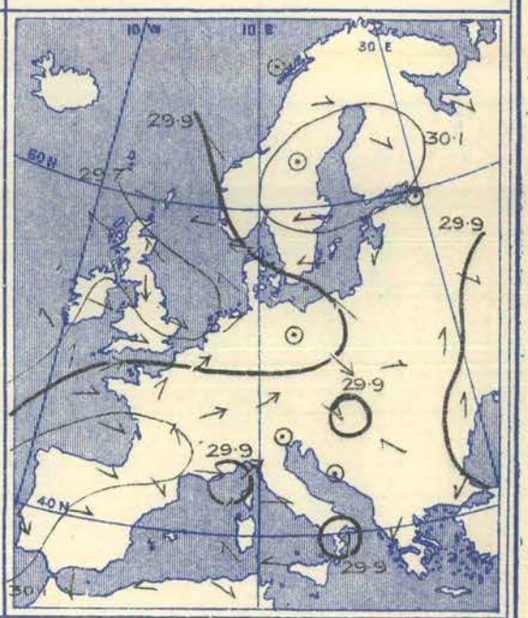


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. very unsettled over our Islands, most of France, North Germany, and Denmark, with rain in several places. Fair or fine in other parts of our area. Thunderstorms experienced later in the south-east of England, Belgium, and at Berlin, and considerable or large quantities of rain in most of the western and north-western countries—1·2 in. at Oxo and Copenhagen, 1·1 in. at Scilly, and 0·9 in. at Lorient.

Temperature fallen generally except in the south. Morning values highest, 85° at Athens, 81° at Palermo, and 80° at Palma. Lowest, 43° at Archangel and St. Peterburg, 46° at Hernösand, 54° in the extreme north of Scotland and at Oxford. Rising subsequently to 101° at Athens and Aumale, 93° at Palermo, 88° at Madrid, 82° at Nice, and to between 75° and 80° in the south as a whole. Maximum at Paris only 64°, and in our Islands 68° at Manchester.

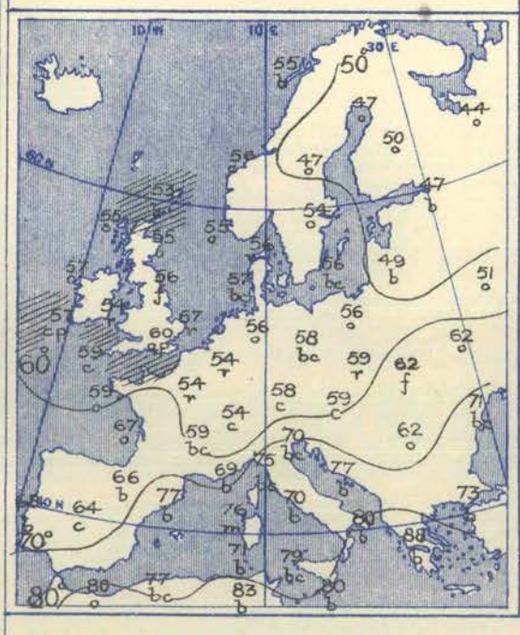
Wind at 8 a.m. circulating cyclonically around the North Sea and anticyclonically over the north and south-west of our area. Easterly current strong over Denmark and the south of Norway, and that from the Westward strong to a slight gale in the south of our Islands and the north of France. No important change later as a whole, but wind backing to the Southward or South-Eastward in Ireland.

Barometer in morning above 30·2 ins. in an anticyclone extending from the Atlantic across the north of Spain and above 30·1 ins. over the greater part of Sweden and Finland. About 29·6 ins. in a depression having its centre over the North Sea, and below 29·8 ins. in another system near Moscow. Pressure giving way again briskly on our west and south-west coasts during the latter part of day under the influence of another disturbance on the Atlantic.

Monday, 28th August, 1905.

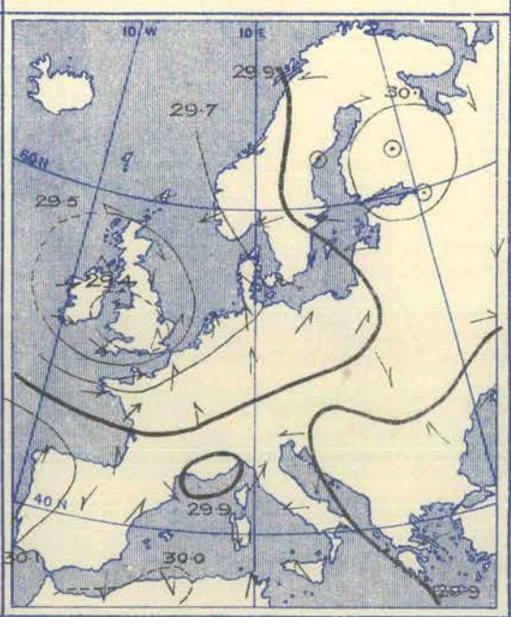
Temperature and Weather.

8 a.m.

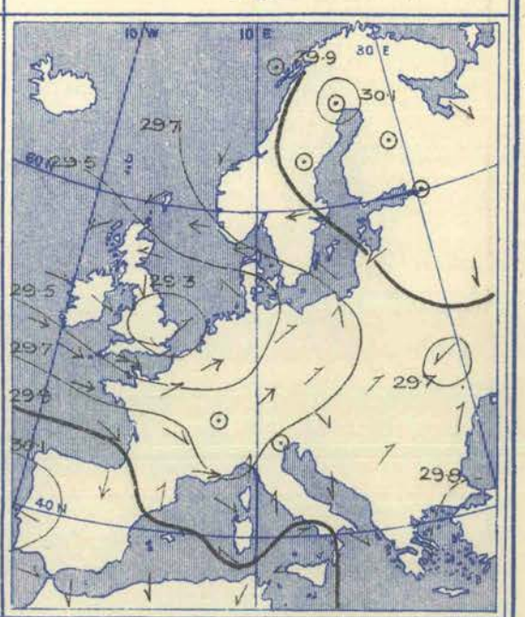


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. fine and bright at nearly all the southern stations; cloudy or overcast generally elsewhere, with rain over our Islands and the nearer parts of the Continent, as well as at Skagen and Cracow. Rain very general later except over the south of Europe, and thunderstorms occurring over the Netherlands, the north-east of France, and the south-east of England. Heaviest rainfall, 1·2 in. at Oxford, 1·3 in. at Yarmouth, 1·8 in. at Hermanstadt, and 2·2 ins. at Bordeaux.

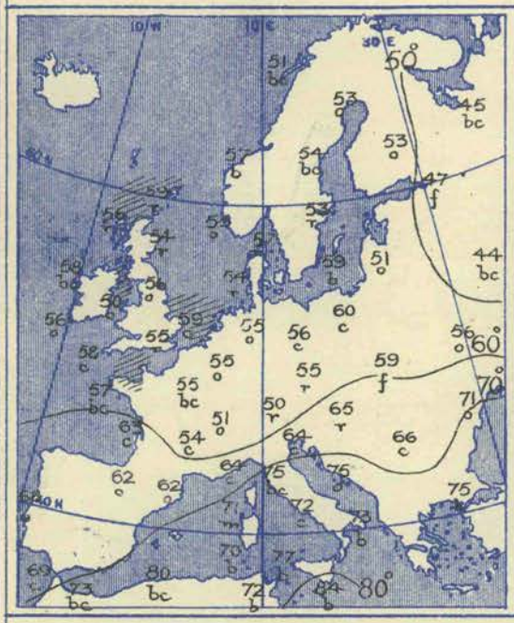
Temperature fallen in most regions. Morning readings highest, 88° at Athens, 83° at La Calle, and about 80° at several other southern stations. Lowest, below 60° over the northern half of our area generally, 47° at St. Petersburg, and 44° at Archangel. Remaining below 60° all day at some of our own stations and only touching 61° at Paris; exceeding 80° over southern Europe generally, and reaching 90° in places. Highest values, 91° at San Fernando and Malta.

Wind in morning showing an extensive cyclonic movement over our Islands and their vicinity, a smaller one over the Gulf of Genoa, and a complete anticyclonic circulation around Finland. Westerly current strong to a moderate gale over the English Channel and the Bay of Biscay. No decided change occurring later.

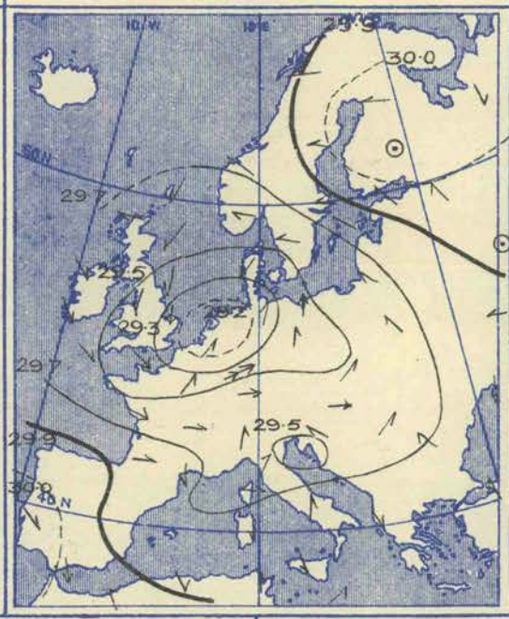
Barometer at 8 a.m. ranging from above 30·1 ins. (1) in an anticyclone over Finland, and (2) in a similar system extending over Portugal from the Atlantic, to 29·86 ins. at Nice, and to below 29·4 ins. in a disturbance centred over Wales. Latter system moving in a due easterly direction during day and at the same time increasing in depth; centred near Cromer by 6 p.m. Little modification taking place in the general distribution of pressure.

Tuesday, 29th August, 1905.

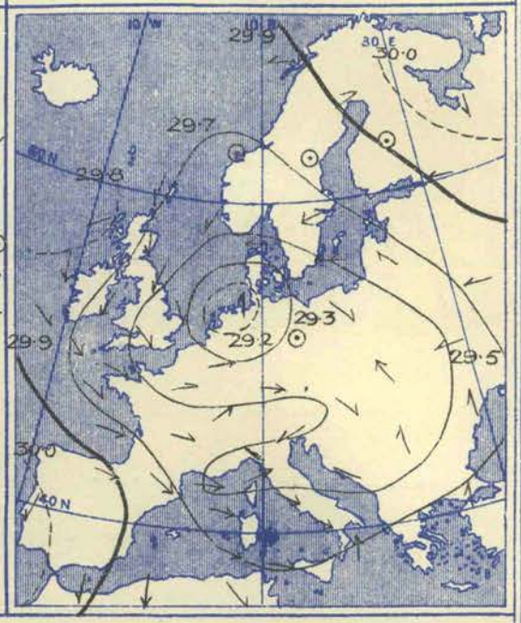
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Italy and Algeria, as well as on the west coast of Norway; overcast in nearly all other regions, with rain in several parts of our Islands and the western and central countries of the Continent. Thunderstorms occurring later in the south-east of England and at some French stations, and rain experienced except in the Mediterranean region and the most northern parts of Europe—largest falls, 0·9 in. at Neu-Fahrwasser, 1·0 in. at Brussels, 1·1 in. at Flushing, and 1·3 in. at Kiev.

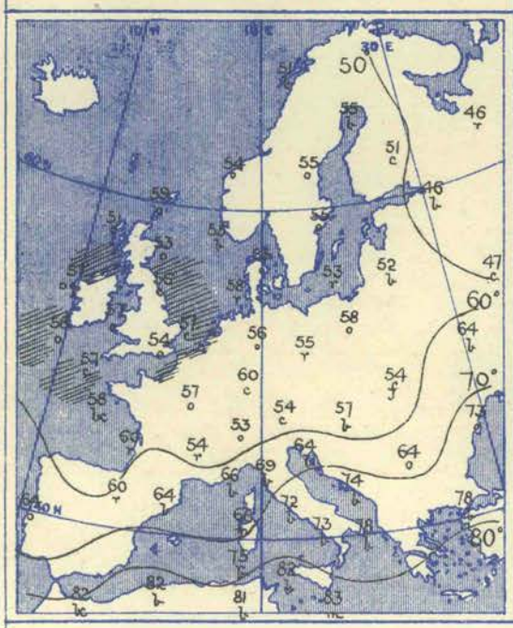
Temperature fallen except in some northern regions. Morning values highest, 84° at Malta, 80° at Algiers and Barcelona, and above 75° in a few other places. Lowest, (1) 44° at Moscow, 45° at Archangel, 47° at St. Petersburg, (2) 50° at Munich, 51° at Belfort, (3) 53° or 54° on our own northern coasts. Not exceeding 66° at any of our own stations later, and remaining nearly as low in central Europe. Rising to 100° at Palermo, 99° at Algiers, 97° at Brindisi, and to between 80° and 90° in the south generally.

Wind at 8 a.m. showing a vast cyclonic circulation around the lower part of the North Sea; fresh or strong in force very generally, moderate gales from East and North-West respectively at Copenhagen and Rochefort. Light anticyclonic airs prevailing over the north-east and south-west of our area and moderate or light breezes from various directions over the Mediterranean. No change of a general character later.

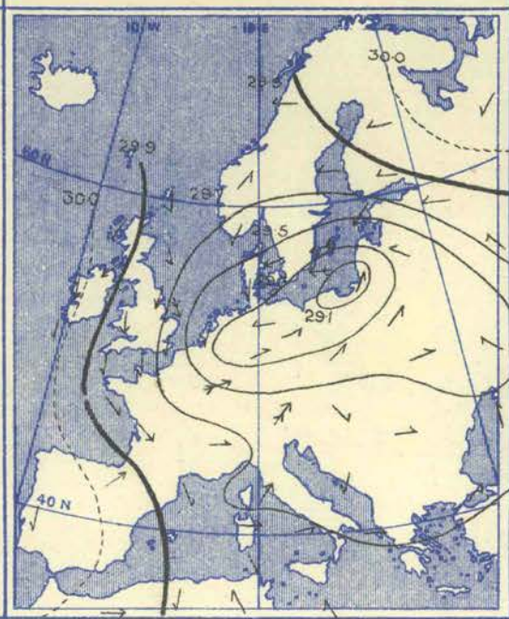
Barometer in morning ranging from above 30·0 ins. in an anticyclone over the extreme north of the Continent and in another system over the western half of the Peninsula, to about 29·1 ins. in a depression centred between Norfolk and Holland. No change later in the general distribution of pressure. Depression travelling very slowly eastwards to Holland by 6 p.m. and continuing on its easterly course during the night.

Wednesday, 30th August, 1905.

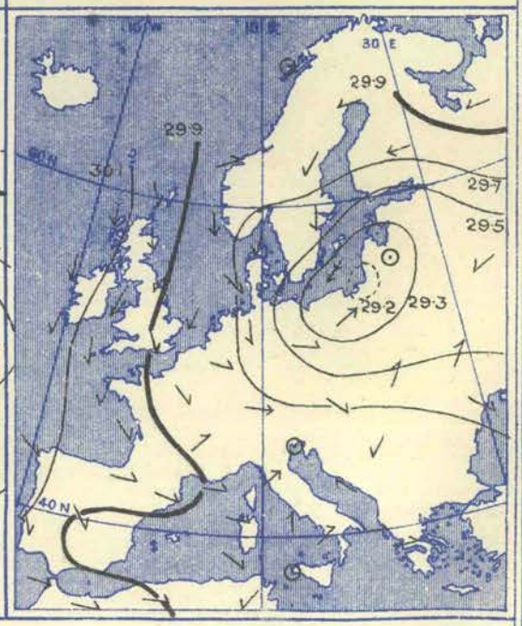
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. dull and very unsettled over the greater part of our area, with steady rain or passing showers in many places. Fine over the Mediterranean region and also in the north of Scandinavia. Rather heavy rains later in the central and more northern countries—largest measurements, 1·1 in. at Dunkirk, Biarritz, and Moscow. A thunderstorm occurring at Nantes.

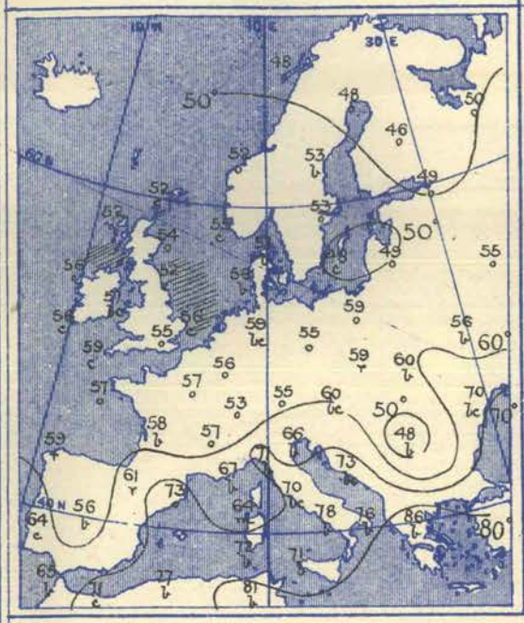
Temperature fallen as a whole. Morning readings highest, 83° at Malta, 82° at Palermo, Algiers, and Nemours, 78° at Brindisi and Constantinople, and 73° at Odessa. Lowest, 44° at Uleaborg, 46° at Archangel and St. Petersburg, and 47° at Moscow; only a few degrees above 50° in many parts of the United Kingdom and France. Maxima in our Islands, 65° or 64° at some of our south coast stations, but below 60° in many places. Thermometer rising to 97° at Athens, 96° at Brindisi, 91° at Aumale, above 80° in many other southern localities, and above 70° in the south of Austria.

Wind at 8 a.m. showing a vast cyclonic circulation around the Baltic. Fresh or strong in many places, especially over Scandinavia and our Islands; an Easterly gale in the south of Sweden, strong Northerly winds or slight gales over the North Sea, and a South-Westerly gale in parts of Germany. Light to fresh winds mainly from the Westward over the Mediterranean. Decreasing somewhat in force later over our Islands and the North Sea.

Barometer at 8 a.m. above 30·0 ins. in the extreme north-east and south-west of our area and also off the west of Ireland. Below 29·1 ins. in a very large depression having its centre over the Baltic. Gradients irregular—steep over parts of Russia, Scandinavia, and the North Sea. Pressure rising and becoming highest on our west and north-west coasts during the day. Baltic depression travelling slowly in an easterly direction.

Thursday, 31st August, 1905.

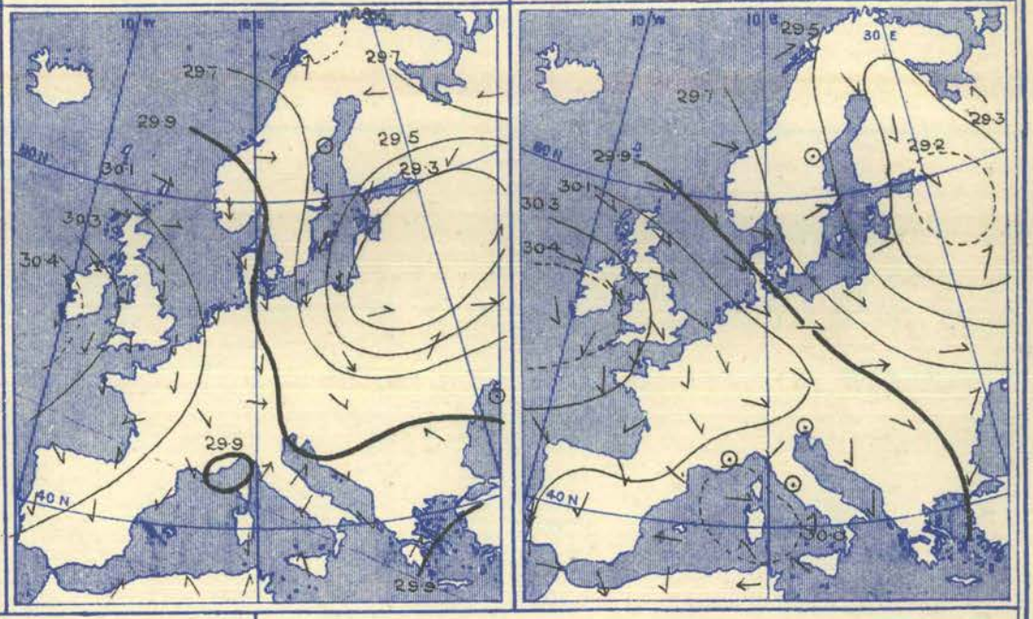
Temperature and Weather. 8 a.m.



Weather at 8 a.m. fair or fine and bright over the Mediterranean region and also in Denmark; cloudy or overcast in most other places, with rain at Spurn Head, Corunna, Biarritz, and Bodö, and also over Poland. Rain experienced later in Scandinavia, Russia, North Germany, and in the north and north-west of our Islands—heaviest fall, 1·1 in. at Hernösand.

Temperature fallen in most localities. Readings in morning highest, 86° at Athens, 81° at La Calle, and above 70° in the south generally. Lowest, 45° at Uleaborg, 47° at Helsingfors, between 52° and 55° in most parts of the United Kingdom, 53° at Belfort and Limoges. Rising later to 90° at Aumale, 89° at Cagliari, and to about 80° in the far south generally; remaining below 70° over Germany and below 65° over our Islands.

Barometer and Wind. 8 a.m. and 6 p.m.

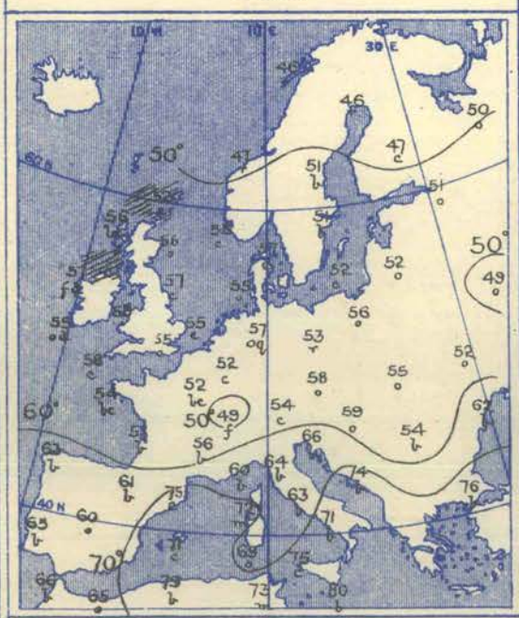


Wind at 8 a.m. North-Westerly to Northerly over our Islands and their vicinity; moderate generally, but strong at Spurn Head; a gale at Skudesnaes. An extensive cyclonic circulation prevailing over Russia and the adjacent countries; Northerly gales blowing over the Baltic. A strong breeze from the Southward shown at Bodö. Decreasing in force later but changing little in direction.

Barometer in morning ranging from above 30·4 ins. in an anticyclone extending over the west of Ireland to 29·9 ins. and less in a small depression over the Gulf of Genoa, to less than 29·6 ins. in the north-west of Norway, and to below 29·2 ins. in a large disturbance having its centre near Vitebsk. Anticyclone extending over our Islands later from the south-westward and westward. Russian depression moving slowly in a north-easterly direction.

Friday, 1st September, 1905.

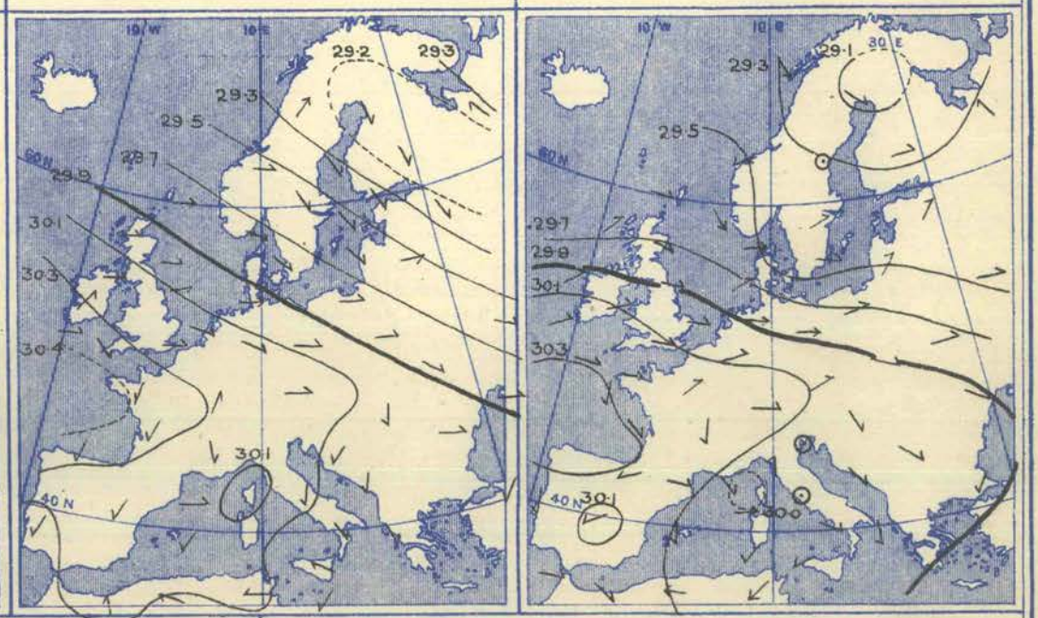
Temperature and Weather. 8 a.m.



Weather cloudy or dull and unsettled over all the northern and central countries, with rain or passing showers in several places. Fine and bright over southern Europe. Rain falling later at nearly all our own stations and over the northern parts of the Continent—largest amounts, 0·7 in. at Stornoway and Uleaborg.

Temperature changed little and irregularly. Morning readings highest, 80° at Malta, 79° at Algiers, and above 70° in many other southern localities. Lowest, 46° at Haparanda, below 50° at many other northern stations and at Munich, 50° at Limoges. Rising subsequently to about 65° in many parts of Great Britain, to above 80° in the south of Europe and Algeria, and to above 90° at Tunis. Maxima below 70° over the central countries, and below 60° at Breslau and Berlin.

Barometer and Wind. 8 a.m. and 6 p.m.

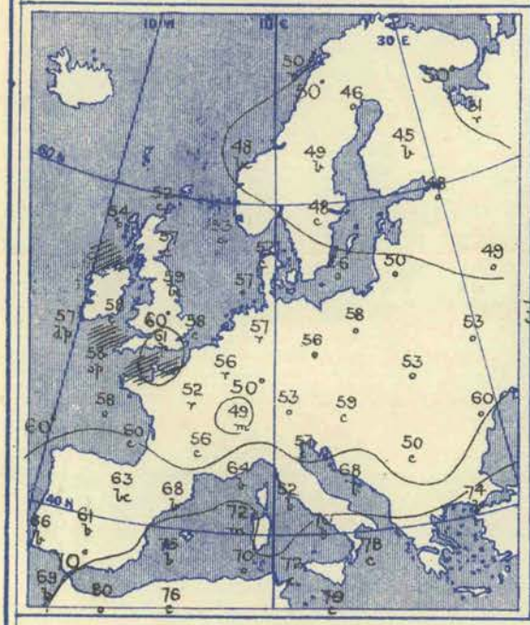


Wind at 8 a.m. North-Westerly over the greater part of our area; moderate as a whole, but strong to a gale on the eastern shores of the North Sea. Light airs, mainly from the Northward, over Italy, and light North-Easterly and Easterly airs over the Spanish Peninsula. No general change later, but backing to the South-Westward on our own north-west coasts.

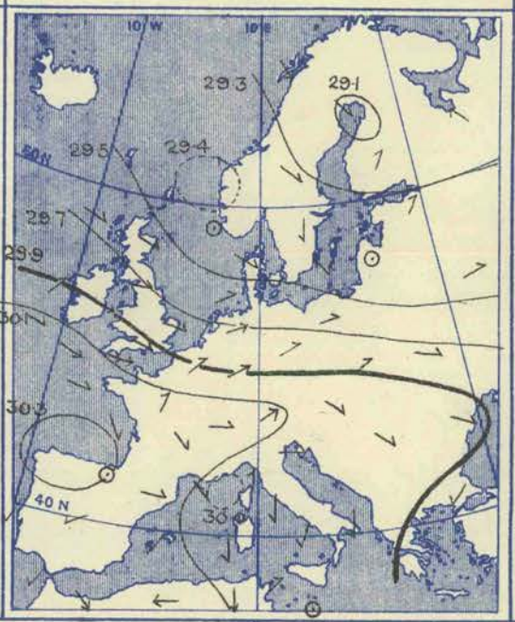
Barometer at 8 a.m. ranging from above 30·3 ins. in an anticyclone over the Bay of Biscay to below 30·1 ins. in a depression over the Gulf of Genoa, and to below 29·2 ins. in a very large system over the north of Europe. Pressure decreasing very briskly later on our north-west coasts and slowly over our Islands generally. Depression in extreme north becoming much modified in form.

Saturday, 2nd September, 1905.

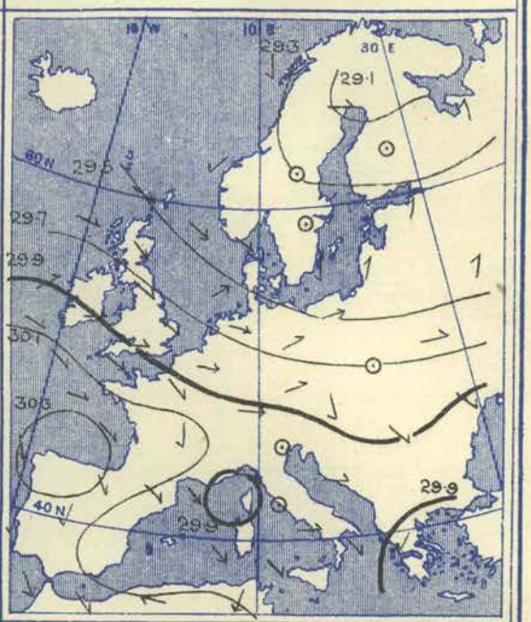
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast in nearly all the more northern and central districts, with steady rain or passing showers in several places. Fine and bright over southern Europe and the Mediterranean. Rain in most regions later except those in the extreme south, 1·1 in. at Buda-Pesth, 0·6 in. at Aix-la-Chapelle, 0·5 in. at Utrecht and Wick.

Temperature risen over England and the north and west of France, fallen in most other regions. Morning readings highest, 82° at Sfax, 80° at Oran, 79° at Malta, 78° at Brindisi, and 73° at Barcelona. Lowest, 46° at Haparanda, below 50° at several other northern stations, and also at Belfort, Limoges, and Warsaw, and not much above it in the north-east of Scotland. Rising subsequently to 88° at Madrid, 86° at Malta and Brindisi, and to about 80° in many southern districts. Remaining below 60° in most parts of North Germany.

Wind at 8 a.m. North-Westerly to Westerly at nearly all places in the northern half of our area, but Easterly at Archangel, Haparanda, and Christiansund. Fresh or strong over England and the north of France; a fresh gale blowing at Portland Bill. Moderate in most other places, but a slight gale prevailing at Memel. Little change later except a decrease in force.

Barometer in morning ranging from above 30·3 ins. over the lower portion of the Bay of Biscay, to 29·45 ins. or less over the west of Norway, and to less than 29·1 ins. in the extreme north of Sweden. Relatively low over the Gulf of Genoa and the extreme south-east of Europe. No important modification taking place in the general distribution of pressure during day.

IV.—GENERAL NOTES, etc.

The general character of the weather was very cool and unseasonable over all the central and northern countries and fair or very fine in the south. During the earlier half of the period pressure was high both over the south-west and extreme north of our area, while depressions from the Atlantic travelled across our Islands and the North Sea to the Baltic and the surrounding regions. By Thursday the south-western high pressure system had moved northwards to the United Kingdom, while the barometer had fallen in the far north of Europe, but further cyclonic disturbances appearing from the westward, pressure gave way over these Islands and again became highest over the south-west of our area. The track of the depressions during the later days of the week was much further north than had previously been the case.

Strong winds or slight gales from various directions were experienced over Germany, the Baltic, Denmark, and the North Sea, while over the southern countries the wind was light. Rain was experienced almost daily over the major portion of Europe, many of the falls being both heavy and prolonged over the central countries.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 206.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	4·1	-21·8	4	- 22
STRATHPEFFER SPA	8·5	-18·5	9	- 19
CRATHES	8·0	—	8	—
BALRUDDERY	17·0	—	18	—
EDINBURGH	12·3	-16·2	14	- 17
COCKLE PARK	17·8	—	19	—
NEWCASTLE-on-TYNE	16·7	—	17	—
SALTBURN-by-the-SEA	11·5	—	12	—
YORK	21·3	- 9·4	22	- 10
SKEGNESS	26·2	—	28	—
CROMER	18·7	--	20	—
LOWESTOFT	19·3	—	20	—
DUNMOW	13·4	—	14	—
SHEFFIELD	20·4	—	21	—
WORKSOP	14·8	- 15·6	16	- 16
MARGATE	10·8	- 28·2	11	- 30
BROADSTAIRS	—	—	—	—
RAMSGATE	18·6	—	20	—
EASTBOURNE	17·2	- 25·9	18	- 28
BRIGHTON	19·6	- 24·8	21	- 26
WORTHING	22·9	—	24	—
BOGNOR	24·2	—	26	—
VENTNOR HOSPITAL	29·6	- 14·4	32	- 15
BOURNEMOUTH	39·8	—	42	—
MARLBOROUGH	19·9	- 16·1	21	- 17
SOUTHPORT	21·9	—	23	—
RHYL	13·1	—	14	—
ABERDOVEY	12·4	—	13	—
TENBY	27·4	- 12·6	29	- 13
TORQUAY	41·4	- 1·4	44	- 2
NEWQUAY	40·5	- 1·6	43	- 2
GUERNSEY	50·3	+ 1·3	54	+ 1

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 30, page 176	Dungeness	—	—	—	—	—	—	—	—	—	—	—	56·9	—	53	—
,, 30, ,, 176	Hastings	—	—	—	—	—	—	—	—	2	0·13	-0·38	—	—	—	—
,, 31, ,, 182	Dungeness	—	—	—	—	—	—	—	—	—	—	—	48·8	—	46	—
,, 34, ,, 200	Shields	—	—	64·7	—	56·8	- 0·2	104	0	—	—	—	—	—	—	—
,, 34, ,, 200	London (Brixton)	—	—	—	—	—	—	—	—	—	0·34	-0·18	—	—	—	—
,, 34, ,, 200	Roche's Point	—	—	—	—	—	—	—	—	—	2·71	+1·54	—	—	—	—

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* } No. 36. THIRTY-SIXTH WEEK, ENDING SATURDAY, SEPTEMBER 9TH, 1905.

[*Price 6d.*
Annual Subscription post paid £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 212.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	70	41	59·6	48·0	53·5	1 above	81	+ 9	0	−1	1632	+ 46	476	− 82
	1. SCOTLAND, EAST	70	42	62·4	49·5	55·6	2 above	95	+14	0	0	1917	+ 22	505	−100
	2. ENGLAND, N.E.	73	46	65·3	52·8	58·7	3 above	117	+25	0	0	2285	+233	374	−124
	3. ENGLAND, EAST	75	50	68·0	56·4	61·9	4 above	139	+34	0	0	2593	+223	349	−193
	4. MIDLAND COUNTIES	73	47	65·4	52·9	58·9	3 above	118	+19	0	0	2554	+192	394	−157
	5. ENGLAND, SOUTH	74	50	66·1	56·2	60·9	2 above	132	+16	0	0	2605	+ 25	268	−135
Principal Grazing Districts.	6. SCOTLAND, WEST	66	47	60·4	51·6	55·8	1 above	97	+10	0	0	2100	+ 99	313	−112
	7. ENGLAND, N.W.	70	48	62·4	53·5	57·8	1 above	111	+14	0	0	2272	+ 89	273	−131
	8. ENGLAND, S.W.	73	47	63·9	55·0	59·2	2 above	120	+15	0	0	2462	+ 52	222	− 85
	9. IRELAND, NORTH	67	42	60·8	50·9	55·6	1 above	95	+ 5	0	0	2160	+ 39	271	− 81
	10. IRELAND SOUTH	70	42	63·0	53·3	57·9	2 above	111	+12	0	0	2552	+148	166	− 92
	— CHANNEL ISLANDS	72	54	64·4	57·2	60·6	0 (average)	130	+ 5	0	0	2843	+112	55	− 65

Rainfall.

	DISTRICTS. (See p. 212.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	20	11 more	189	+38	34·3	+ 6·2
	1. SCOTLAND, EAST	6	7	0 (average)	147	+16	17·6	− 2·7
	2. ENGLAND, N.E.	4	8	2 more	111	− 9	12·3	− 3·9
	3. ENGLAND, EAST	4	4	1 less	116	− 4	13·7	− 1·9
	4. MIDLAND COUNTIES	5	7	2 more	122	+ 6	15·7	− 2·4
	5. ENGLAND, SOUTH	5	11	5 more	118	+ 5	17·7	+ 0·1
Principal Grazing Districts.	6. SCOTLAND, WEST	6	21	10 more	144	+ 8	31·7	+ 0·2
	7. ENGLAND, N.W.	6	15	7 more	135	+ 8	21·2	− 0·5
	8. ENGLAND, S.W.	6	16	8 more	133	+ 6	22·9	− 0·8
	9. IRELAND, NORTH	6	13	5 more	163	+ 8	24·6	+ 1·1
	10. IRELAND, SOUTH	6	11	3 more	151	+12	25·0	− 1·2
	— CHANNEL ISLANDS	7	9	3 more	145	+15	18·5	− 1·0

Bright Sunshine.

	DISTRICTS. (See p. 212.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	23	− 1	25	− 1	926	+ 9	27	0
	1. SCOTLAND, EAST	29	0	31	0	1097	+ 11	32	0
	2. ENGLAND, N.E.	26	− 6	28	− 7	1207	+ 55	36	+ 2
	3. ENGLAND, EAST	26	−11	29	−12	1326	+ 47	40	+ 2
	4. MIDLAND COUNTIES	22	− 9	24	−10	1151	+ 13	34	0
	5. ENGLAND, SOUTH	28	−11	31	−12	1292	+ 6	39	0
Principal Grazing Districts.	6. SCOTLAND, WEST	24	− 6	26	− 6	1191	+ 69	35	+ 2
	7. ENGLAND, N.W.	19	−14	20	−15	1192	+147	36	+ 4
	8. ENGLAND, S.W.	26	−11	29	−12	1208	− 95	36	− 3
	9. IRELAND, NORTH	29	+ 2	31	+ 2	1148	+140	34	+ 4
	10. IRELAND, SOUTH	25	− 8	27	− 8	1105	− 39	33	− 1
	— CHANNEL ISLANDS	27	−18	30	−19	1387	−133	42	− 4

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather. The general character of the week was very broken and unsettled, steady rain or passing showers and squalls being very prevalent and fine intervals rare. Thunderstorms were experienced at several central and south-eastern stations on Wednesday or Thursday and also at a few places in the north-west and west.

Temperature was equal to the mean in the Channel Islands, above it elsewhere, the excess being as much as 4° in England E. The highest of the maxima, recorded during the earlier days of the week, ranged from 75° in England E. and 74° in England S. to 66° in Scotland W. The lowest of the minima were registered either on the 6th or 8th, and varied from 42° in the Irish districts and the north and east of Scotland, to 50° in England E. and S., and to 54° in the Channel Islands. Most of the nights were very mild for the time of year.

Rainfall exceeded the mean over the Kingdom generally, but was a little less in the east of England and only equal to it in the east of Scotland. In the south of England and all the western districts the excess was large.

Bright Sunshine was deficient in all districts except Scotland E. and Ireland N. The percentage of the possible amount of duration ranged from 31 in Scotland E., England S. and Ireland N. to 24 in the Midland Counties, and to 20 in England N.W.

Barometer and Wind. The general type of pressure distribution was Westerly at the commencement of the week and subsequently South-Westerly. The primary depressions, some of which were both large and deep, moved on a north-easterly course, with their centres outside our north-western and northern coasts, and none but secondary disturbances passed immediately over the Kingdom. The prevailing winds between South and West were usually fresh or strong in force, and often increased to a moderate or fresh gale on our western and southern coasts, especially during the latter part of the week.

4023 370 Wy. & S. Ltd. 9 | 05.

II.—DATA from which the SUMMARY on page 211 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
Sept. 3-9, 1905.		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
O. SCOTLAND, N.	Sumburgh Head	58	45	56·1	48·3	52·0	+ 0·8	70	0	6	0·99	+ 0·21	*	*	*	*
	Stornoway	63	47	59·1	50·6	54·7	+ 2·8	89	0	7	2·38	+ 1·45	20·5	- 6·0	22	- 6
	Wick	64	42	60·1	46·9	53·2	+ 0·6	78	0	7	1·25	+ 0·65	*	*	*	*
	Lairg Ⓢ	70	41	63·4	45·3	53·9	+ 1·5	83	0	6	0·87	+ 0·17	*	*	*	*
	Glencarron Ⓢ	63	44	57·7	48·0	52·6	+ 0·3	74	0	7	4·64	+ 2·92	*	*	*	*
	Fort Augustus Ⓢ	65	45	60·9	48·9	54·6	+ 0·4	88	0	6	1·89	+ 1·03	19·8	+ 0·8	21	+ 1
1. SCOTLAND, E.	Nairn	66	43	63·1	48·6	55·5	+ 1·3	95	0	5	0·43	- 0·16	*	*	*	*
	Aberdeen	70	47	62·7	51·1	56·6	+ 3·0	102	0	6	0·36	- 0·30	27·8	- 2·8	30	- 3
	Braemar Ⓢ	62	42	57·8	46·9	52·1	+ 1·9	71	0	4	1·01	+ 0·25	*	*	*	*
	Clathick Ⓢ	69	44	63·6	48·3	55·6	+ 1·6	95	0	7	1·23	+ 0·40	*	*	*	*
	Leith	67	48	64·9	52·1	58·2	+ 2·5	113	0	7	0·48	- 0·06	*	*	*	*
	Marchmont Ⓢ	69	45	62·1	49·7	55·6	+ 2·4	95	0	6	0·86	+ 0·12	30·9	+ 1·9	33	+ 2
2. ENGLAND, N.E	Alnwick Castle	73	47	66·7	51·5	58·7	+ 4·6	117	0	5	0·80	+ 0·17	*	*	*	*
	Durham	70	46	63·3	51·9	57·3	+ 2·3	107	0	4	1·02	+ 0·49	25·8	- 3·3	28	- 4
	Shields	68	48	64·6	52·4	58·2	+ 3·3	113	0	4	0·68	+ 0·14	*	*	*	*
	Scarborough Ⓜ	70	50	64·8	52·8	58·5	+ 2·4	116	0	3	0·57	0·00	24·6	—	27	—
	Spurn Head	66	52	64·6	54·7	59·4	+ 2·1	122	0	5	0·44	+ 0·03	*	*	*	*
	Lincoln	73	50	66·8	52·4	59·3	+ 1·9	121	0	5	0·67	+ 0·19	*	*	*	*
	Fulbeck (Lincolnshire)	72	50	66·0	54·1	59·8	+ 3·4	125	0	5	1·06	+ 0·56	27·2	—	30	—
3. ENGLAND, E.	Hillington Ⓜ	71	50	67·5	54·7	60·8	+ 3·8	132	0	6	0·19	- 0·41	22·2	- 11·3	24	- 13
	Yarmouth	71	53	67·3	56·3	61·5	+ 3·8	137	0	4	0·30	- 0·27	*	*	*	*
	Geldeston	74	52	68·5	55·5	61·7	+ 4·5	138	0	3	0·31	- 0·22	23·0	- 15·4	25	- 17
	Cambridge	74	51	69·3	55·8	62·2	+ 4·3	141	0	4	0·28	- 0·21	26·4	- 10·1	29	- 11
	Felixstowe	72	56	68·4	58·0	63·0	+ 5·9	147	0	5	0·39	—	31·9	—	35	—
	Clacton-on-Sea	75	56	67·6	58·1	62·6	+ 4·0	144	0	3	0·43	—	32·8	—	36	—
	Rothamsted	71	50	66·3	54·9	60·3	+ 3·6	128	0	5	1·19	+ 0·62	27·7	- 8·0	30	- 9
	Shoeburyness	74	55	69·1	57·9	63·2	+ 4·0	148	0	4	0·44	- 0·01	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	65	47	62·0	50·8	56·1	+ 1·1	99	0	6	0·94	+ 0·30	18·1	—	20	—
	Bawtry (Hesley Hall)	69	48	65·9	51·4	58·3	+ 2·1	114	0	4	0·80	+ 0·32	*	*	*	*
	Nottingham	72	50	66·6	53·4	59·7	+ 2·8	124	0	4	0·52	- 0·03	20·9	—	23	—
	Colly Weston (Stamford)	73	49	67·9	53·7	60·5	+ 3·1	130	0	3	0·20	- 0·35	*	*	*	*
	Cheadle Ⓜ	71	47	63·3	51·2	57·0	+ 2·1	105	0	6	0·93	+ 0·20	*	*	*	*
	Birmingham (Edgbaston)	73	48	64·8	52·7	58·5	+ 2·2	116	0	4	0·61	+ 0·01	22·5	—	25	—
	Shrewsbury	71	48	65·8	53·2	59·2	+ 2·3	120	0	4	0·77	—	*	*	*	*
	Hereford Ⓜ	73	47	65·9	53·4	59·4	+ 2·5	122	0	5	0·96	+ 0·39	*	*	*	*
	Cirencester	69	48	65·0	53·5	59·0	+ 3·1	119	0	5	1·09	+ 0·41	27·3	- 7·1	30	- 8
	Oxford	72	51	66·6	55·9	61·0	+ 3·5	133	0	5	0·61	+ 0·07	28·5	- 7·5	31	- 8
5. ENGLAND, S.	Westminster	74	54	67·9	57·7	62·6	+ 3·5	144	0	5	0·53	—	26·3	- 4·7	29	- 5
	London (Brixton)	74	53	68·6	56·6	62·3	+ 3·3	142	0	5	0·49	- 0·01	26·1‡	- 5·9‡	29‡	- 7‡
	Wisley (Surrey)	72	53	66·9	56·5	61·5	+ 2·4	137	0	5	0·69	—	28·9	—	32	—
	Swarraton (Alresford) Ⓜ	70	51	65·8	55·8	60·6	+ 4·4	130	0	6	1·05	+ 0·40	*	*	*	*
	Tunbridge Wells Ⓜ	72	50	66·6	54·4	60·2	+ 1·2	127	0	5	1·20	—	30·3	—	33	—
	Dungeness	69	55	66·1	58·3	62·0	+ 3·0	140	0	6	0·98	+ 0·44	34·8	—	38	—
	Hastings (St. Leonards)	69	54	66·1	56·6	61·1	+ 2·0	134	0	6	1·50	+ 0·90	30·5	- 11·2	34	- 12
	Southampton	74	53	67·7	57·0	62·1	+ 2·9	141	0	6	1·26	+ 0·62	26·6	- 13·2	29	- 15
	Portland Bill	66	55	64·0	57·0	60·3	+ 1·2	128	0	5	1·55	—	*	*	*	*
	Shaftesbury Ⓜ	71	50	63·2	53·4	58·1	+ 1·2	113	0	5	0·98	+ 0·24	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	61	47	59·3	48·6	53·7	- 0·7	82	0	7	4·52	+ 2·98	*	*	*	*
	Glasgow	63	47	59·8	51·4	55·4	+ 1·5	94	0	5	1·91	+ 1·04	22·4	- 2·6	24	- 3
	Cally Ⓢ	65	49	61·6	51·2	56·2	+ 2·3	99	0	7	1·30	+ 0·26	*	*	*	*
	Aspatria	64	49	60·4	53·0	56·5	+ 1·6	102	0	7	1·59	—	23·5	—	25	—
	Douglas (Isle of Man)	66	49	61·0	53·8	57·2	+ 2·4	106	0	6	1·14	+ 0·31	26·5	- 8·5	29	- 9
7. ENGLAND, N.W.	Newton Rigg	65	48	60·6	52·0	56·1	+ 2·1	99	0	7	1·30	—	24·3	—	26	—
	Stonyhurst	62	48	60·7	51·3	55·8	+ 0·6	97	0	7	2·66	+ 1·52	9·8	- 20·6	11	- 22
	Blackpool Ⓜ	65	50	61·9	53·3	57·4	+ 1·1	108	0	7	1·92	+ 1·11	15·2	- 15·2	17	- 17
	Manchester (Prestwich)	64	49	61·9	52·2	56·8	+ 1·3	104	0	7	1·65	+ 0·78	12·9	—	14	—
	Liverpool Obsy. (Bidston)	67	51	62·3	53·7	57·8	+ 0·7	111	0	6	0·93	+ 0·23	20·6	—	22	—
	Chester (Hawarden Bridge)	70	52	66·3	55·2	60·5	+ 3·1	130	0	5	0·68	—	*	*	*	*
	Llandudno Ⓜ	67	53	64·6	55·4	59·8	+ 2·2	125	0	6	0·79	+ 0·13	25·7	- 5·6	28	- 6
	Holyhead	65	52	60·7	54·9	57·7	+ 0·5	110	0	7	1·58	+ 0·89	*	*	*	*
	Bettws-y-Coed	67	49	62·9	53·3	57·9	0·0	111	0	6	1·82	—	24·2	—	26	—
8. ENGLAND, S.W.	Llangammarch Wells	65	47	61·6	52·7	56·9	+ 0·9	104	0	7	2·69	—	—	—	—	—
	Pembroke	62	52	60·6	54·9	57·6	+ 0·3	109	0	6	1·68	+ 0·95	27·0	- 10·1	29	- 11
	Cardiff	68	50	64·0	55·2	59·4	+ 1·0	122	0	6	1·23	—	*	*	*	*
	Clifton	70	52	64·5	56·2	60·2	+ 2·6	127	0	5	1·12	+ 0·35	*	*	*	*
	Bath	70	53	65·3	56·9	60·9	+ 2·9	132	0	5	1·40	+ 0·74	19·8	—	22	—
	Arlington (N. Devon)	66	48	62·6	52·7	57·4	+ 1·4	108	0	7	1·99	+ 0·86	*	*	*	*
	Cullompton Ⓜ	73	49	68·0	55·5	61·5	+ 3·4	137	0	6	1·44	+ 0·71	26·7	- 9·0	29	- 10
	Falmouth	67	53	63·7	55·4	59·4	+ 1·4	122	0	6	1·20	+ 0·29	35·6	- 4·6	39	- 5
	Plymouth	68	53	64·7	55·5	59·9	+ 1·4	125	0	6	1·26	+ 0·51	27·7	- 10·8	30	- 12
9. IRELAND, N.	Malin Head	62	48	58·6	50·6	54·4	- 1·0	87	0	7	0·90	+ 0·16	*	*	*	*
	Edenfel (Omagh)	65	44	60·3	50·0	54·9	+ 1·1	90	0	7	1·47	+ 0·64	*	*	*	*
	Blacksod Point	61	49	58·9	52·3	55·4	- 0·8	94	0	7	1·78	+ 0·80	*	*	*	*
	Markree Castle	66	42	62·1	48·7	55·1	+ 0·8	92	0	5	1·35	+ 0·45	26·8	+ 0·5	29	+ 1
	Armagh	66	46	62·2	51·4	56·5	+ 2·1	102	0	5	1·30	+ 0·63	30·1	+ 2·5	33	+ 3
	Donaghadee	67	47	62·6	52·4	57·3	+ 2·1	107	0	6	0·78	+ 0·11	*	*	*	*
10. IRELAND, S.	Dublin	68	49	65·2	54·6	59·7	+ 2·9	124	0	5	0·46	- 0·09	31·4	- 3·0	34	- 3
	Birr Castle	66	46	62·7	51·9	57·0	+ 1·8	105	0	7	0·89	+ 0·17	25·4	- 5·3	28	- 6
	Kilkenny	70	45	64·1	53·1	58·3	+ 2·3	114	0	6	0·94	+ 0·28	*	*	*	*
	Waterford	68	46	63·9	54·0	58·7	+ 2·3	117	0	6	1·11	+ 0·31	*	*	*	*
	Roche's Point	68	50	62·6	54·9	58·6	+ 1·5	116	0	5	0·77	- 0·06	*	*	*	*
	Valencia	62	50	60·3	53·6	56·8	- 0·4	104	0	7	1·71	+ 0·68	17·3	- 14·9	19	- 16
	Killarney	67	49	63·9	53·2	58·3	+ 1·9	114	0	6	1·80	+ 0·87	*	*	*	*
	Foynes	65	42	60·9	51·4	55·9	- 0·2	97	0	7	1·15	+ 0·39	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	66	54	62·7	55·3	58·8	- 0·4	118	0	7	0·61	- 0·06	31·9	- 10·6	35	- 12
	Jersey (St. Aubyn's)	72	58	66·0	59·0	62·3	+ 1·1	142	0	6	1·25	+ 0·59	20·9	- 25·1	23	- 28

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

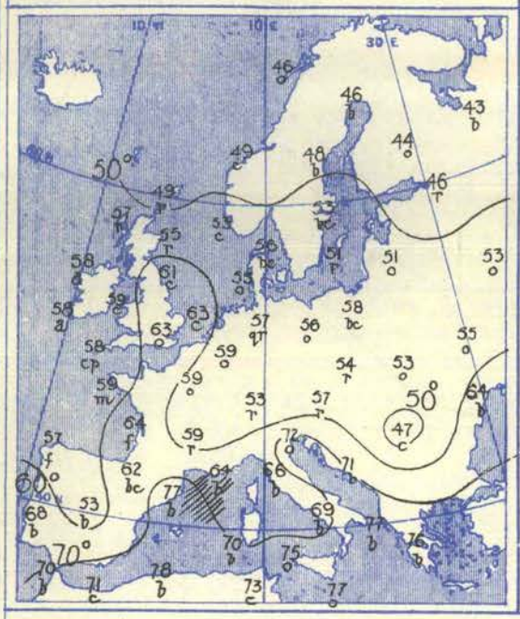
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

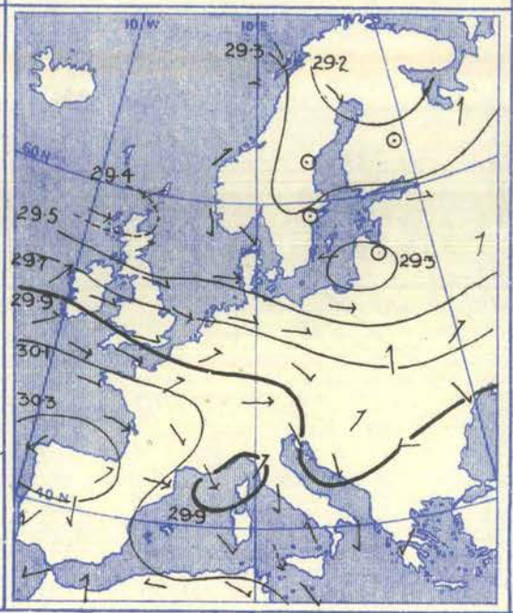
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 3rd September, 1905.

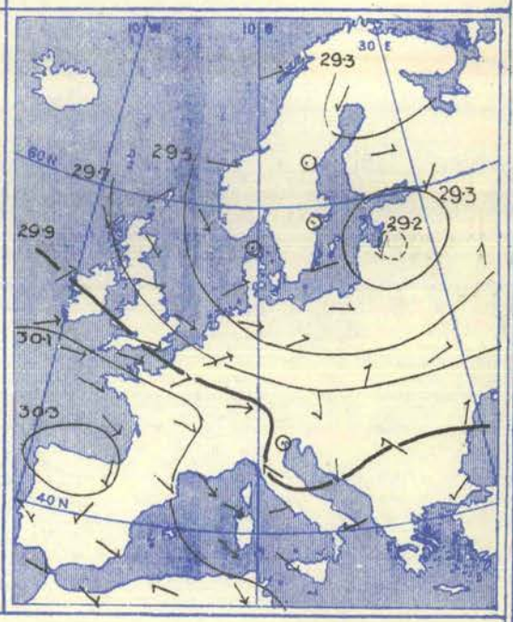
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast generally except over southern Europe and the Mediterranean. Rainy at some of our own western and northern stations and at many places over the northern half of the Continent, as well as at Lyons and in the south of Hungary. Considerable or heavy rain later in several of the central and northern regions —about an inch in Prussia and at Hamburg, 0·8 in. at Cracow, 0·5 in. at Warsaw, Fanö, and in the north-west of Norway.

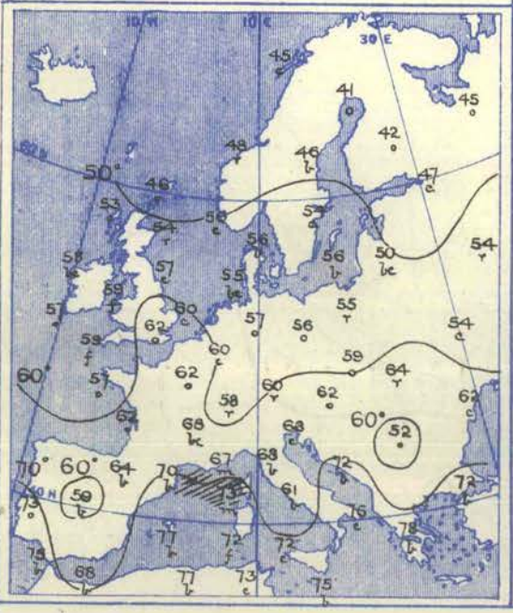
Temperature risen over our Islands and their neighbourhood. Morning values ranging from nearly 80° at some stations in the extreme south to below 60° over the central countries, and to below 50° in the north. Lowest values, 43° at Archangel and 41° at Hangö. Rising during day to 74° or 75° in the south-east of England, to 73° at Paris, and to above 80° in the extreme southern regions. Highest readings, 86° in Greece and the south of the Spanish Peninsula.

Wind at 8 a.m. moderate to strong from the Westward over our Islands generally, but drawing into South-West at Aberdeen, and into East-North-East in the Shetlands. Cyclonic circulations shown over the Baltic and the Gulf of Genoa. Westerly wind increasing to a strong breeze or moderate gale on most English coasts later and to a fresh gale at Aix-la-Chapelle.

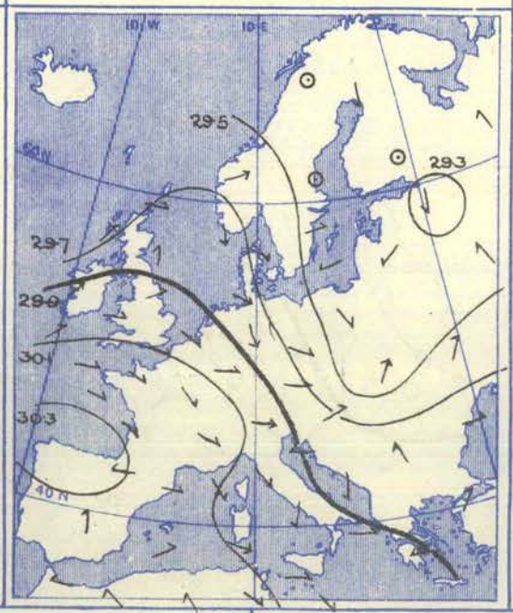
Barometer in morning highest, 30·3 ins. and upwards in an anticyclone over the Bay of Biscay, to less than 29·4 ins. over the north of Scotland, below 29·3 ins. over the Baltic, and below 29·2 ins. in the north of Lapland. Barometer rising briskly later in Scotland but not changing much over our area generally, and distribution of pressure undergoing little modification.

Monday, 4th September, 1905.

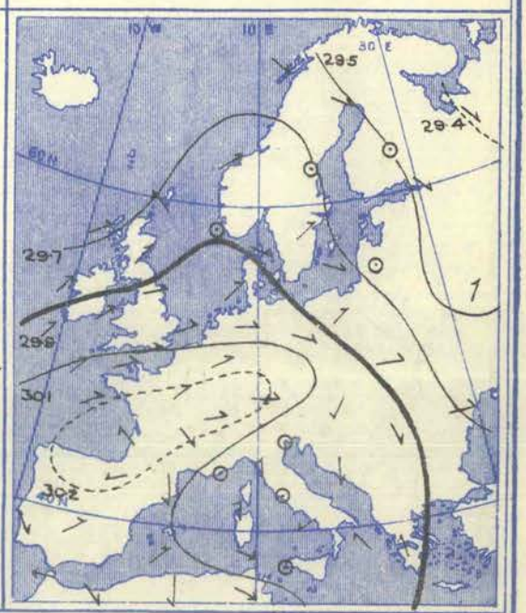
Temperature and Weather 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast in most parts of central and northern Europe, with fog on the west and south-west coasts of Britain, rain in the north-east of Scotland and at Christiansund, as well as at Neu-Fahrwasser, Belfort, Munich, and at some Hungarian and Polish stations. Fine and bright over the southern countries and in most parts of Sweden. Fair in most regions during day, but some rain experienced in Russia and the centre and north of Europe and also in various parts of our Islands.

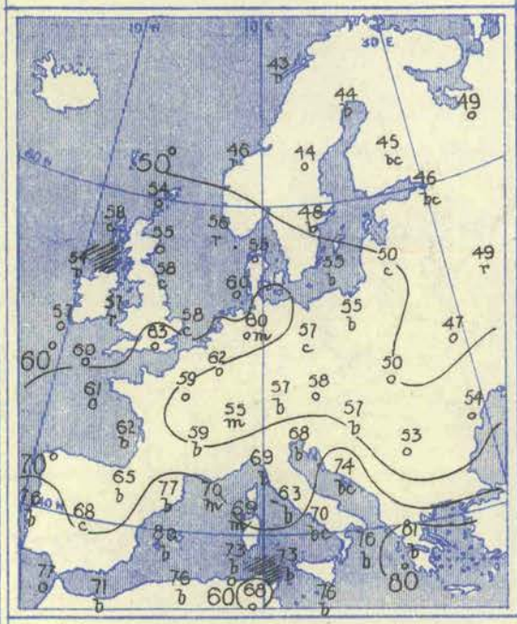
Temperature fallen at most of our own stations. Morning values highest, 78° at Patras, 77° at Algiers and Palma, 76° at Brindisi, and about 70° in a few other southern localities. Lowest, 41° at Uleaborg, 43° at Helsingfors, and below 50° at most of the northern stations. Rising later to 73° at Birmingham, to above 80° in the south of France and the Mediterranean region generally, to 89° at Brindisi, 97° at Madrid, and 99° at San Fernando.

Wind at 8 a.m. showing an anticyclonic circulation over the south-western parts of our area and an extensive cyclonic movement in the east. Moderate or light in force as a whole, but fresh or strong in a few places. Very little change during day, but backing somewhat over our Islands.

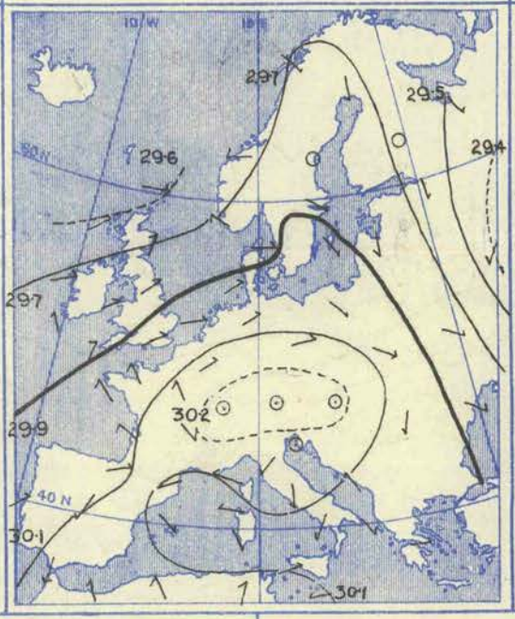
Barometer in morning ranging from above 30·3 ins. in an anticyclone centred over the Bay of Biscay to less than 29·3 ins. in a large depression having its centre near St. Petersburg. Relatively low over Italy and off our own north-west coasts. Anticyclone moving further towards central Europe during day and another low pressure area approaching our western coasts.

Tuesday, 5th September, 1905.

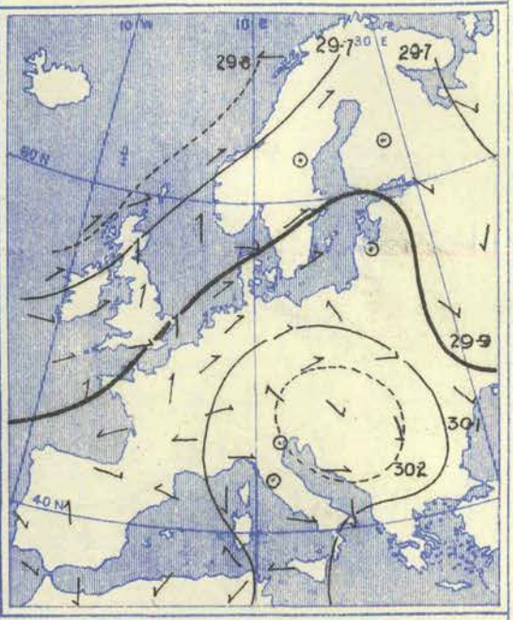
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. dull and rainy in many parts of our Islands and the adjacent parts of the Continent. Dull also in many parts of central Europe and rain falling at Moscow. Fair or fine elsewhere. Rain experienced later in the United Kingdom and the north and east of the Continent—largest amount, 1·4 in. at Moscow.

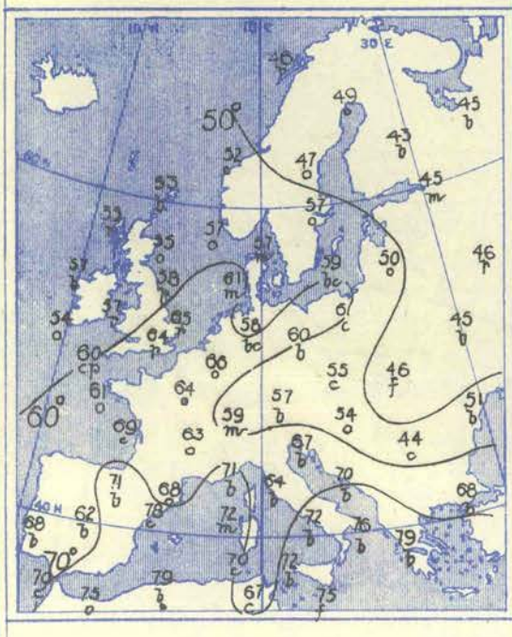
Temperature fallen somewhat in most regions. Morning readings highest, about 80° in Greece and the Balearic Isles and very little lower in Portugal. Lowest, 42° at Uleaborg, 46° at St. Petersburg, and 49° at Moscow, Rising during day to 93° at Madrid, 90° at Oran and in Greece, and to above 80° over the southern regions generally. Highest maxima in our Islands, 70° at Bath and Oxford.

Wind at 8 a.m. circulating anticyclonically around central Europe. Very light in almost all parts of our area, scarcely any force exceeding a moderate breeze. No change of importance later.

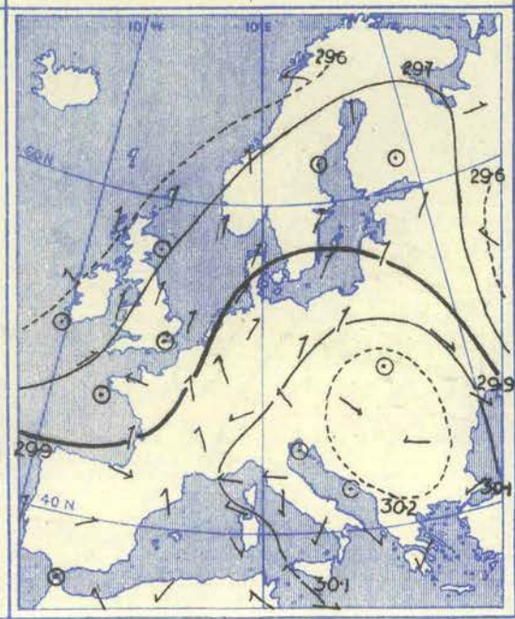
Barometer at 8 a.m. ranging from above 30·2 ins. in an anticyclone centred over South Germany, to 29·6 ins. and less off our own north-west coasts, and to 29·4 ins. at Moscow. Pressure decreasing slowly over our Islands and the west of France during day and increasing quickly over central Russia. Little change taking place over our area as a whole.

Wednesday, 6th September, 1905.

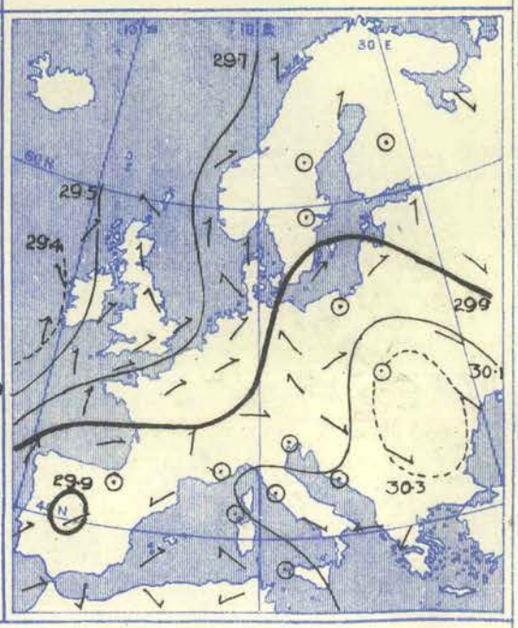
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. unsettled and showery over the United Kingdom and the adjacent portion of the Continent, as well as at Bodó and Moscow. Fair or fine in almost all the southern regions of Europe. Rain falling very generally over our Islands and their neighbourhood during day, and thunderstorms occurring in the north of France.

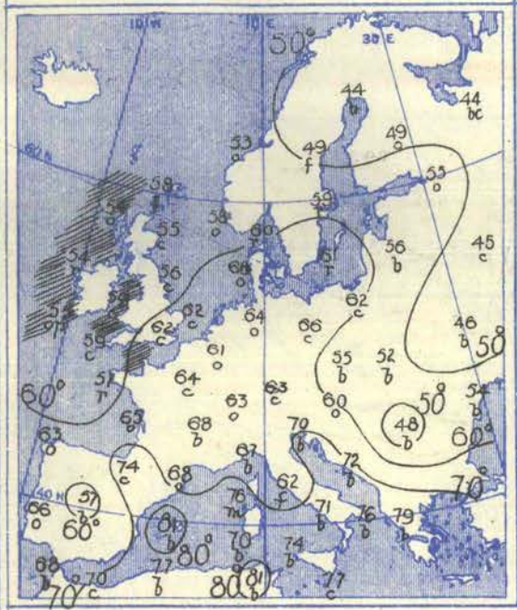
Temperature fallen in places, but risen over our area as a whole. Morning readings highest, 79° at Patras and Algiers, 78° at Barcelona, and 76° at Brindisi. Lowest, (1) 40° at Uleaborg, 43° at Kuopio, (2) 44° at Hermanstadt, (3) 51° in the north-east of Scotland. Rising subsequently to 99° at Algiers, to nearly 93° at some other southern stations, and to about 80° in many parts of central Europe. Highest reading in our Islands, 73° at Margate.

Wind in morning light, anticyclonic, over Europe as a whole. Light from the Southward over our Islands and the North Sea, strong from West at Biarritz, and moderate from the Eastward in the north of France. Increasing to a fresh or strong breeze from the Southward on all our western coasts by evening or night.

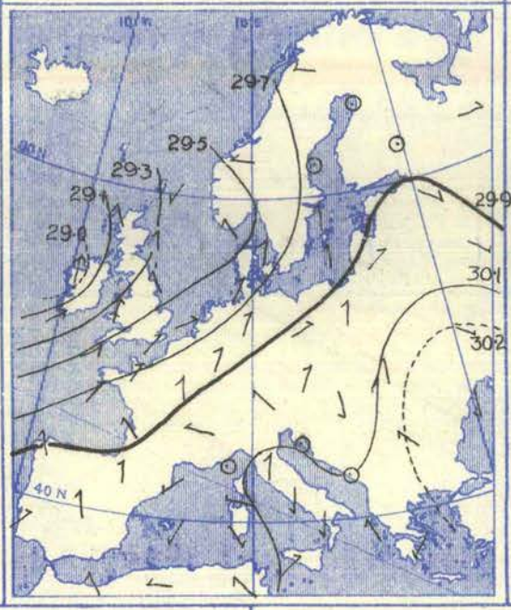
Barometer at 8 a.m. ranging from above 30·2 ins. in the south-eastern part of central Europe to below 29·6 ins. over central Russia and also off our own north-west coasts. Barometer falling briskly later on our west and south-west coasts and gradients increasing considerably in Ireland and the south-west of England. Pressure increasing quickly in Russia.

Thursday, 7th September, 1905.

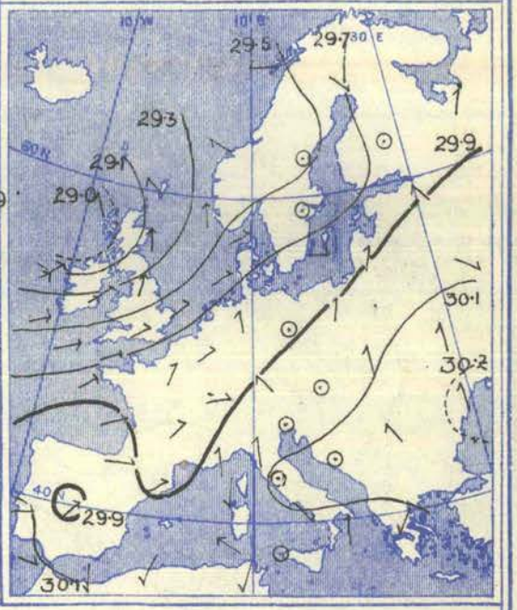
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast in most of the western and northern regions, with passing showers or steady rain in Brittany, several parts of our Islands, the south of Sweden, and also at Oporto. Considerable falls of rain experienced later over France, our Islands, and northern Europe, and thunderstorms occurring at some of the French stations.

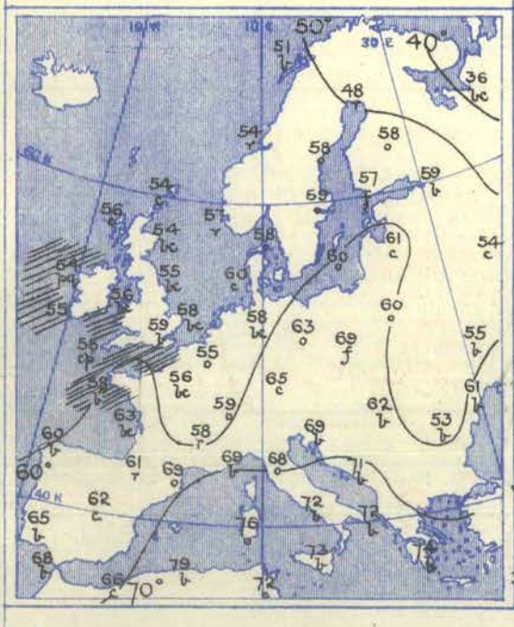
Temperature changed rather irregularly, but fallen at most stations. Morning values highest, 81° at Palma and La Calle, 79° at Patras, and above 70° at many other southern stations. Lowest, (1) 44° at Archangel and Haparanda, 45° at Moscow, (2) 48° at Hermanstadt, (3) 53° in the north-east of Scotland. Rising later to 67° at Leith and Margate, to above 75° in most parts of France and central Europe, and to above 80° in the south.

Wind at 8 a.m. Southerly or South-Westerly over our Islands, moderate to light in the east and north, but fresh to a slight gale in the west and south. Mainly from between South-West and South-East and of little force on the Continent, and light and variable over the Mediterranean. Increasing further in force over our Islands by evening, but not much change taking place on the Continent.

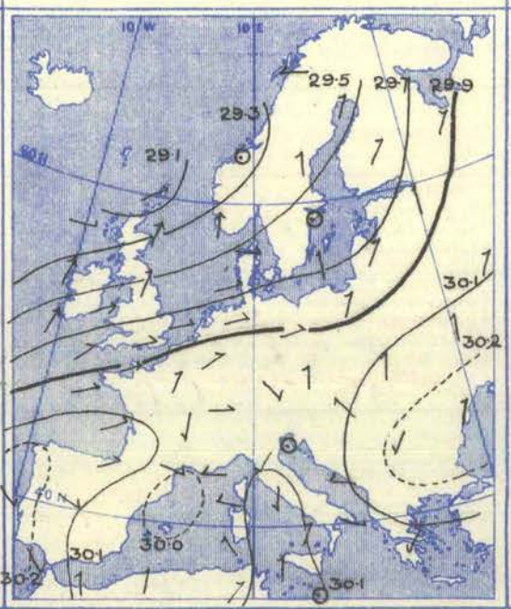
Barometer at 8 a.m. ranging from above 30·2 ins. over the south-west of Russia and its vicinity to below 29·0 ins. in a depression off the north-west of Ireland. Latter system travelling north-eastwards during day and gradients increasing over our Islands generally. Lowest barometer at 6 p.m., 28·93 ins. in the Hebrides. Pressure giving way over the north-western part of the Continent, changing little in the south-east.

Friday, 8th September, 1905.

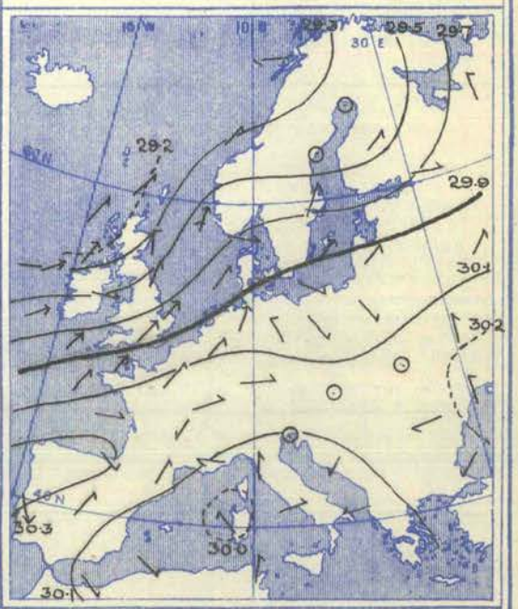
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very cloudy or overcast in nearly all the northern and central regions, with rain or passing showers in places; fine and bright in the south. Rain heavy later at some French and Norwegian stations, as well as at Pembroke and on our most north-west coasts. Thunderstorms occurring at Blacksod Point and Holyhead.

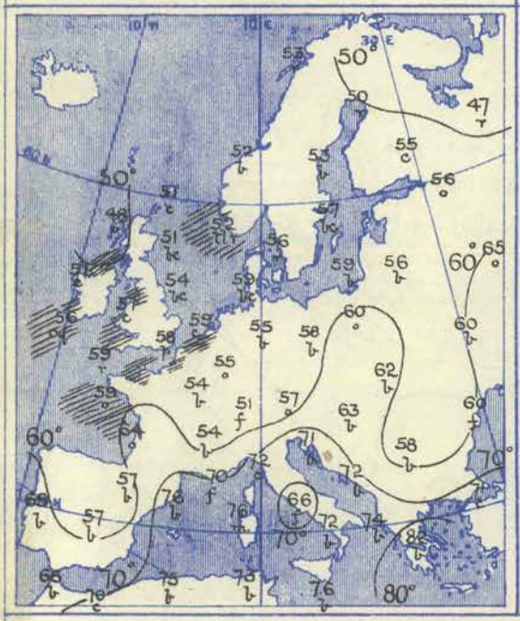
Temperature fallen except over Russia and Sweden. Morning values ranging from 80° at Barcelona to below 60° over the major portion of Europe, to below 50° in the north of Sweden, and to 36° at Archangel. Rising later to 67° at Lowestoft, to above 70° in several parts of France and at a few German stations, to above 80° at several stations on the shores of the Mediterranean, to 91° at Patras, and to 97° at Tunis.

Wind in morning strong from between South and West in many parts of our Islands and their neighbourhood. Light and variable over all the southern regions of Europe and light from the Southward over Russia and Sweden. Blowing a moderate or fresh gale later on several parts of our coasts and also over the south of Scandinavia.

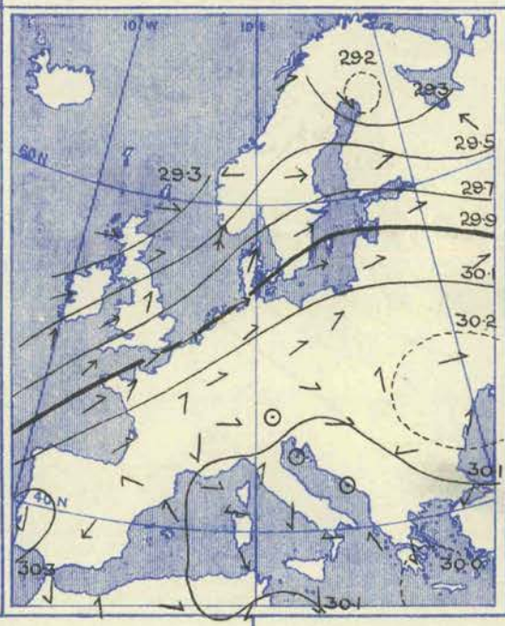
Barometer at 8 a.m. highest, 30·2 ins. and upwards over the south-east and also the south-west of our area. Lowest, 29·1 ins. and less in a depression off the north of Scotland. Depression moving slowly north-eastwards during day, and the arrival of a secondary off the north of Ireland causing the gradients to steepen over our Islands generally. Pressure increasing in the south-west of France and over the Bay of Biscay.

Saturday, 9th September, 1905.

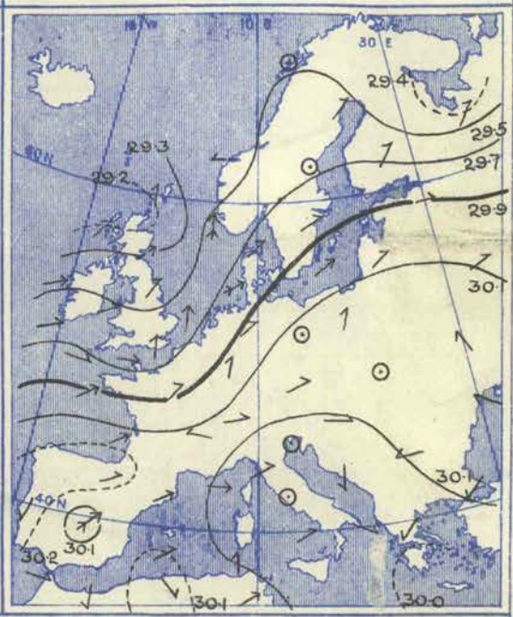
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. temporarily fair in Scotland, but cloudy or overcast over our Islands generally, with rain in several places. Cloudy or overcast over the northern countries of the Continent, with rain in a few localities and a thunderstorm in the south-west of Norway. Fine and bright in nearly all parts of southern Europe. Considerable or heavy falls of rain later over these Islands, France, Scandinavia, and northern Russia.

Temperature fallen in most places. Morning readings highest, 82° at Patras and between 70° and 80° at many other southern stations. Lowest (1) 47° at Archangel, 50° at Haparanda, (2) 48° at Stornoway, 50° at Malin Head, (3) 47° at Limoges. Rising subsequently to 93° at Tunis, 88° at San Fernando, and above 80° in a few other southern regions. Maxima low over this country—below 60° at many northern and western stations.

Wind at 8 a.m. South-Westerly over all the north-western countries, fresh or strong on most of our coasts and over Scandinavia. Light and rather variable breezes prevailing elsewhere. Increasing to a gale from the South-Westward on our south and south-east coasts during day and also on the eastern shores of the North Sea.

Barometer in morning exceeding 30·2 ins. in an anticyclone extending from the Spanish Peninsula to central Europe. Below 29·2 ins. in a depression over Lapland and in another system to the northward of the Shetlands. A secondary disturbance passing eastwards later over the south of England causing a considerable increase in the baric gradient over the Channel and our south-eastern counties.

IV.—GENERAL NOTES, etc.

During the whole of the period the northern half of Europe was under the influence of depressions arriving from the Atlantic and the general direction of the wind was from between South and West. Gales were experienced over various parts of the United Kingdom and Scandinavia, but they were not of great force. At the commencement of the week pressure was highest over the Spanish Peninsula, but the anticyclone subsequently travelled slowly to central Europe, and finally to the south of Russia. By the end of the period, however, the mercury had again increased over the Peninsula and a long anticyclonic band extended thence to Germany. Temperature remained high over the Mediterranean region and was higher over the central countries than during the preceding week. Rain was frequent and general over all the more northern countries, and at times fell in considerable amounts. In the south of Europe the weather continued fine and bright.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 212.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	28·4	+ 2·8	30	+ 3
STRATHPEFFER SPA	24·8	- 2·3	26	- 2
CRATHES	31·2	—	34	—
BALRUDDERY	27·8	—	30	—
EDINBURGH	27·2	+ 1·0	29	+ 1
COCKLE PARK	30·9	—	33	—
NEWCASTLE-on-TYNE	18·9	—	20	—
SALTBURN-by-the-SEA	27·7	—	30	—
YORK	19·8	- 9·5	22	- 10
SKEGNESS	26·5	—	29	—
CROMER	25·3	—	28	—
LOWESTOFT	27·3	—	30	—
DUNMOW	25·6	—	28	—
SHEFFIELD	20·0	—	22	—
WORKSOP	15·6	- 13·4	17	- 15
MARGATE	30·3	- 6·2	33	- 7
BROADSTAIRS	—	—	—	—
RAMSGATE	31·0	—	34	—
EASTBOURNE	30·6	- 10·8	34	- 12
BRIGHTON	23·1	- 18·4	25	- 20
WORTHING	25·8	—	28	—
BOGNOR	26·0	—	29	—
VENTNOR HOSPITAL	22·8	- 19·5	25	- 21
BOURNEMOUTH	25·4	—	28	—
MARLBOROUGH	22·8	- 10·3	25	- 11
SOUTHPORT	14·6	—	16	—
RHYL	26·7	—	29	—
ABERDOVEY	15·8	—	17	—
TENBY	25·6	- 12·4	28	- 14
TORQUAY	36·3	- 3·7	40	- 4
NEWQUAY	19·5	- 19·3	21	- 21
GUERNSEY	28·3	- 17·0	31	- 19

Reports received too late for insertion in their proper places.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration.	Difference from the Mean for the Week.
No. 29, page 174	Broadstairs	—	—	—	—	—	—	—	—	—	—	—	69·5	—	55	—
,, 31, ,, 186	Broadstairs	—	—	—	—	—	—	—	—	—	—	—	44·8	—	42	—
,, 31, ,, 186	Rhyl	—	—	—	—	—	—	—	—	—	—	—	47·9	—	44	—
,, 32, ,, 188	Shaftesbury	71	50	65·9	51·8	58·4	- 1·0	115	0	4	0·32	-0·32	—	—	—	—
,, 33, ,, 194	Lincoln	76	46	69·9	51·9	60·4	+ 1·2	129	0	3	0·74	+0·20	—	—	—	—
,, 33, ,, 198	Broadstairs	—	—	—	—	—	—	—	—	—	—	—	56·3	—	56	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* } No. 37. THIRTY-SEVENTH WEEK, ENDING SATURDAY, SEPTEMBER 16TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 218.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	63	37	57·2	44·3	50·4	1 below	59	−7	0	−1	1691	+39	476	−83
	1. SCOTLAND, EAST	67	33	60·5	42·9	51·3	1 below	65	−10	0	−1	1982	+12	505	−101
	2. ENGLAND, N.E.	66	35	61·4	45·1	52·9	2 below	76	−11	0	0	2361	+222	374	−124
	3. ENGLAND, EAST	69	37	63·2	46·1	54·3	3 below	86	−13	0	0	2679	+210	349	−193
	4. MIDLAND COUNTIES	65	30	61·4	43·8	52·2	3 below	71	−21	0	−1	2625	+171	394	−158
	5. ENGLAND, SOUTH	69	36	62·7	46·7	54·3	4 below	86	−23	0	0	2691	+2	268	−135
Principal Grazing Districts.	6. SCOTLAND, WEST	62	33	57·8	44·6	50·9	2 below	62	−17	0	0	2162	+82	313	−112
	7. ENGLAND, N.W.	64	34	59·5	46·6	52·8	3 below	76	−15	0	0	2348	+74	273	−131
	8. ENGLAND, S.W.	66	29	60·7	46·1	53·1	4 below	78	−22	0	0	2540	+30	222	−85
	9. IRELAND, NORTH	64	35	58·4	45·5	51·6	3 below	67	−17	0	0	2227	+22	271	−81
	10. IRELAND SOUTH	65	32	59·7	45·2	52·1	4 below	71	−22	0	0	2623	+126	166	−92
	— CHANNEL ISLANDS	65	45	61·2	52·2	56·5	3 below	102	−18	0	0	2945	+94	55	−65

Rainfall.

	DISTRICTS. (See p. 218.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10	0 (average)	195	+40	35·3	+6·3
	1. SCOTLAND, EAST	3	2	5 less	150	+15	17·8	−3·2
	2. ENGLAND, N.E.	2	1	4 less	113	−11	12·4	−4·3
	3. ENGLAND, EAST	1	1	5 less	117	−7	13·8	−2·3
	4. MIDLAND COUNTIES	1	1	5 less	123	+4	15·8	−2·8
	5. ENGLAND, SOUTH	2	3	4 less	120	+4	18·0	−0·2
Principal Grazing Districts.	6. SCOTLAND, WEST	5	7	4 less	149	+9	32·4	−0·2
	7. ENGLAND, N.W.	3	3	5 less	138	+7	21·6	−0·9
	8. ENGLAND, S.W.	3	2	7 less	136	+5	23·1	−1·4
	9. IRELAND, NORTH	5	4	4 less	168	+9	25·0	+0·7
	10. IRELAND, SOUTH	3	2	6 less	154	+12	25·2	−1·8
	— CHANNEL ISLANDS	3	3	4 less	148	+15	18·8	−1·4

Bright Sunshine.

	DISTRICTS. (See p. 218.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	36	+12	40	+13	962	+21	27	+1
	1. SCOTLAND, EAST	41	+15	46	+17	1138	+27	33	+1
	2. ENGLAND, N.E.	50	+18	56	+20	1257	+73	36	+2
	3. ENGLAND, EAST	47	+12	53	+14	1373	+59	40	+2
	4. MIDLAND COUNTIES	47	+18	53	+20	1198	+31	35	+1
	5. ENGLAND, SOUTH	45	+9	51	+11	1337	+15	39	+1
Principal Grazing Districts.	6. SCOTLAND, WEST	44	+16	50	+18	1235	+85	36	+2
	7. ENGLAND, N.W.	45	+20	50	+22	1237	+167	36	+5
	8. ENGLAND, S.W.	45	+10	52	+12	1253	−85	37	−3
	9. IRELAND, NORTH	35	+9	40	+10	1183	+148	34	+4
	10. IRELAND, SOUTH	40	+9	45	+10	1145	−31	33	−1
	— CHANNEL ISLANDS	49	+7	55	+8	1436	−126	42	−4

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather during this week was mostly fair or fine, rain being slight and infrequent and sunshine abundant. The outlying points of the north-west of Scotland and Ireland, however, formed a partial exception to the general rule.

Temperature was below the mean, the deficit reaching 4° in England S. and S.W. and in Ireland S. The highest of the maxima, which were generally recorded during the earlier half of the week, varied from 69° in England S. and E. to 62° in Scotland W. The lowest of the minima occurred towards the end of the week, when they varied from 29° in England S.W. (at Llangammarch Wells), 30° in the Midland Counties, and 32° in Ireland S., to 37° in Scotland N. and England E. and to 45° in the Channel Islands.

Rainfall was just equal to the mean in Scotland N., less in all other districts. Over the greater part of England the fall was very slight.

Bright Sunshine exceeded the mean over the whole Kingdom. The percentage of the possible duration ranged from 56 in England N.E. and 55 in the Channel Islands, to 40 in Scotland and Ireland N.

Barometer and Wind. The southern districts were generally under anticyclonic influence—at first from a system lying over the Bay of Biscay and France, and subsequently from another system extending over these Islands from the westward. The northern districts, which had previously been affected by large depressions moving eastwards along a track further north, also came under the direct influence of the second high pressure system, and the fresh or strong South-Westerly and Westerly winds gave place to light winds from West or North-West. Over the south of our Islands the wind, after blowing strongly from the South-Westward, died down, and gradually shifted to some point between North-East and North-West.

4044/370 Wy. & S. Ltd. 9 | 05.

II.—DATA from which the SUMMARY on page 217 has been calculated.

Districts. Sept. 10-16, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head	56	44	54·0	47·0	50·3	− 0·1	58	0	7	0·51	− 0·30	*	*	*	*
	Stornoway	58	41	56·7	45·3	50·7	− 0·5	61	0	7	1·03	+ 0·07	35·8	+ 10·4	40	+ 12
	Wick	61	38	58·6	43·7	50·8	− 1·2	62	0	6	0·14	− 0·48	*	*	*	*
	Lairg Ⓢ	63	37	60·1	40·9	50·0	− 1·1	61	3	7	0·51	− 0·21	*	*	*	*
	Glencarron Ⓢ	58	40	55·2	44·7	49·7	− 1·6	54	0	7	2·95	+ 1·17	*	*	*	*
	Fort Augustus Ⓢ	61	41	58·3	44·2	50·9	− 2·4	62	0	4	0·86	− 0·06	24·2	+ 5·7	27	+ 6
1. SCOTLAND, E.	Nairn	63	42	60·0	44·1	51·7	− 1·4	68	0	5	0·14	− 0·44	*	*	*	*
	Aberdeen	64	39	61·6	43·4	52·1	− 0·9	71	0	4	0·24	− 0·43	38·0	+ 8·7	43	+ 10
	Braemar Ⓢ	57	33	55·3	41·3	48·0	− 1·6	45	2	2	0·11	− 0·65	*	*	*	*
	Clathick Ⓢ	67	37	63·2	41·9	52·0	− 1·1	70	0	3	0·44	− 0·36	*	*	*	*
	Leith	67	45	63·3	46·6	54·6	− 0·1	88	0	3	0·21	− 0·31	*	*	*	*
	Marchmont Ⓢ	61	35	59·3	40·1	49·2	− 3·1	58	5	2	0·18	− 0·55	48·5	+ 21·5	55	+ 24
2. ENGLAND, N.E	Alnwick Castle	65	38	61·1	43·6	51·9	− 1·3	69	0	1	0·06	− 0·56	*	*	*	*
	Durham	64	36	60·6	42·6	51·2	− 2·9	64	0	2	0·08	− 0·44	46·5	+ 18·9	52	+ 21
	Shields	65	39	61·1	43·9	52·1	− 2·0	71	0	3	0·09	− 0·41	*	*	*	*
	Scarborough Ⓜ	66	43	62·6	47·2	54·5	− 0·7	88	0	3	0·23	− 0·34	51·9	—	58	—
	Spurn Head	63	47	60·7	49·9	55·0	− 1·5	91	0	2	0·16	− 0·27	*	*	*	*
	Lincoln	63	36	61·4	44·0	52·3	− 4·1	72	0	2	0·04	− 0·46	*	*	*	*
	Fulbeck (Lincolnshire)	65	35	62·5	44·8	53·2	− 2·5	78	0	2	0·06	− 0·42	58·3	—	66	—
3. ENGLAND, E.	Hillington Ⓜ	66	37	63·6	42·6	52·6	− 3·5	74	0	2	0·07	− 0·53	46·5	+ 14·7	52	+ 17
	Yarmouth	66	46	62·4	49·0	55·4	− 1·5	94	0	1	0·02	− 0·58	*	*	*	*
	Geldeston	67	41	63·4	45·0	53·8	− 2·8	83	0	1	0·01	− 0·53	44·7	+ 8·1	50	+ 9
	Cambridge	67	37	64·1	43·2	53·2	− 3·7	78	0	2	0·03	− 0·44	46·1	+ 11·3	52	+ 13
	Felixstowe	69	42	62·7	48·0	55·0	− 1·2	91	0	1	0·03	—	43·3	—	49	—
	Clacton-on-Sea	69	43	64·1	47·9	55·6	− 1·7	95	0	1	0·10	—	42·4	—	48	—
	Rothamsted	66	40	61·8	44·2	52·6	− 5·0	74	0	1	0·03	− 0·55	48·5	+ 15·1	55	+ 17
	Shoeburyness	67	42	63·7	49·1	56·1	− 2·0	99	0	1	0·13	− 0·34	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	63	39	60·0	42·8	51·0	− 3·0	63	0	3	0·18	− 0·47	47·7	—	54	—
	Bawtry (Hesley Hall)	64	30	61·9	42·4	51·7	− 3·6	68	0	1	0·02	− 0·48	*	*	*	*
	Nottingham	65	34	62·6	41·7	51·7	− 4·2	69	1	1	0·02	− 0·54	48·8	—	55	—
	Colly Weston (Stamford)	65	37	63·3	43·7	53·0	− 3·3	77	0	1	0·01	− 0·55	*	*	*	*
	Cheadle Ⓜ	62	40	58·4	44·4	51·1	− 2·9	64	0	1	0·07	− 0·64	*	*	*	*
	Birmingham (Edgbaston)	63	41	60·2	45·9	52·7	− 2·7	75	0	1	0·02	− 0·56	36·7	—	41	—
	Shrewsbury	65	36	61·4	45·2	52·9	− 3·0	76	0	1	0·08	—	*	*	*	*
	Hereford Ⓜ	65	34	62·0	43·5	52·3	− 3·5	72	0	1	0·03	− 0·55	*	*	*	*
	Cirencester	64	35	61·6	43·1	51·9	− 3·1	69	0	1	0·07	− 0·60	52·5	+ 20·2	60	+ 23
	Oxford	64	38	62·6	45·0	53·4	− 3·1	80	0	2	0·02	− 0·52	51·2	+ 17·0	58	+ 19
	Westminster	66	44	63·4	47·6	55·1	− 2·7	92	0	2	0·17	—	38·5	+ 10·5	44	+ 12
5. ENGLAND, S.	London (Brixton)	67	40	63·6	46·3	54·5	− 3·6	88	0	2	0·17	− 0·34	40·4‡	+ 10·4‡	46‡	+ 12‡
	Wisley (Surrey)	65	37	62·7	45·3	53·6	− 5·5	81	0	2	0·05	—	42·3	—	48	—
	Swarraton (Alresford) Ⓜ	64	36	61·3	41·8	51·1	− 4·1	65	1	3	0·08	− 0·59	*	*	*	*
	Tunbridge Wells Ⓜ	65	40	63·1	45·8	54·0	− 5·1	84	0	3	0·20	—	49·4	—	56	—
	Dungeness	65	40	62·1	46·6	54·0	− 4·3	84	0	2	0·38	− 0·19	40·0	—	46	—
	Hastings (St. Leonards)	66	45	63·2	48·8	55·7	− 2·6	96	0	3	1·04	+ 0·41	39·7	− 0·1	45	0
	Southampton	69	43	65·5	47·4	56·0	− 2·2	98	0	3	0·09	− 0·56	52·5	+ 14·9	60	+ 17
	Portland Bill	64	47	62·1	51·6	56·6	− 1·8	102	0	2	0·11	—	*	*	*	*
	Shaftesbury Ⓜ	63	43	60·7	46·8	53·4	− 2·4	80	0	1	0·12	− 0·64	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	60	41	58·6	46·9	52·5	− 1·1	74	0	7	1·46	− 0·17	*	*	*	*
	Glasgow	59	41	57·2	45·4	51·0	− 2·1	63	0	4	0·40	− 0·47	38·6	+ 15·3	43	+ 17
	Cally Ⓢ	58	33	54·8	41·2	47·7	− 5·4	43	2	4	0·66	− 0·38	*	*	*	*
	Aspatria	61	37	59·1	44·1	51·2	− 1·9	64	0	5	0·67	—	43·9	—	49	—
	Douglas (Isle of Man)	62	36	59·5	45·6	52·2	− 1·7	71	0	4	0·40	− 0·44	50·0	+ 16·4	56	+ 18
7. ENGLAND, N.W.	Newton Rigg	61	34	58·3	41·8	49·7	− 4·4	55	1	4	0·51	—	47·1	—	53	—
	Stonyhurst	59	38	57·4	44·2	50·5	− 3·8	60	0	5	0·50	− 0·64	46·8	+ 17·5	53	+ 20
	Blackpool Ⓜ	61	36	59·1	48·4	53·5	− 2·0	81	0	3	0·07	− 0·76	53·4	+ 24·7	60	+ 28
	Manchester (Prestwich)	64	36	61·3	43·1	51·8	− 2·7	69	0	4	0·31	− 0·58	37·5	—	42	—
	Liverpool Obsy. (Bidston)	62	47	59·1	49·4	54·0	− 2·2	84	0	1	0·09	− 0·63	42·6	—	48	—
	Chester (Hawarden Bridge)	63	47	60·7	50·5	55·4	− 1·4	94	0	1	0·14	—	*	*	*	*
	Llandudno Ⓜ	63	44	59·9	49·4	54·4	− 2·6	87	0	4	0·22	− 0·47	46·8	+ 17·5	53	+ 20
	Holyhead	61	47	59·3	49·4	54·1	− 2·4	85	0	2	0·09	− 0·62	*	*	*	*
	Bettws-y-Coed	62	35	60·1	43·4	51·4	− 5·4	66	0	6	0·65	—	40·6	—	46	—
8. ENGLAND, S.W.	Llangammarch Wells	61	29	58·6	41·3	49·5	− 4·7	55	2	5	0·30	—	*	*	*	*
	Pembroke	59	46	58·0	51·1	54·4	− 2·4	87	0	4	0·33	− 0·42	45·5	+ 10·6	52	+ 12
	Cardiff	63	36	61·6	44·1	52·4	− 5·0	73	0	2	0·05	—	*	*	*	*
	Clifton	63	41	61·8	47·9	54·5	− 2·2	88	0	3	0·09	− 0·68	*	*	*	*
	Bath	64	37	62·4	43·4	52·4	− 4·8	73	0	1	0·08	− 0·59	40·7	—	46	—
	Arlington (N. Devon)	62	39	59·4	45·4	52·1	− 3·1	71	0	5	0·46	− 0·67	*	*	*	*
	Cullompton Ⓜ	66	36	63·6	44·3	53·5	− 3·7	81	0	1	0·01	− 0·73	50·5	+ 16·5	57	+ 19
	Falmouth	61	47	59·7	50·1	54·7	− 2·6	89	0	5	0·08	− 0·87	43·1	+ 5·3	49	+ 6
	Plymouth	63	43	61·6	47·5	54·2	− 3·4	85	0	3	0·04	− 0·73	43·2	+ 6·8	49	+ 8
9. IRELAND, N.	Malin Head	59	47	55·9	49·0	52·3	− 2·4	72	0	6	0·62	− 0·11	*	*	*	*
	Edenfel (Omagh)	60	36	58·0	42·6	49·9	− 4·0	55	0	5	0·59	− 0·22	*	*	*	*
	Blacksod Point	60	48	57·6	49·9	53·6	− 2·0	81	0	7	0·45	− 0·48	*	*	*	*
	Markree Castle	62	35	58·9	42·2	50·2	− 3·2	57	0	6	0·49	− 0·40	29·9	+ 4·6	34	+ 5
	Armagh	62	40	60·2	43·9	51·7	− 1·8	68	0	4	0·23	− 0·42	40·9	+ 13·7	46	+ 15
	Donaghadee	64	40	59·6	45·3	52·1	− 2·4	71	0	2	0·12	− 0·53	*	*	*	*
10. IRELAND, S.	Dublin	64	40	60·0	45·9	52·6	− 3·3	74	0	2	0·09	− 0·44	43·3	+ 9·7	49	+ 11
	Birr Castle	62	37	59·6	42·7	50·7	− 3·7	61	0	3	0·22	− 0·45	41·0	+ 10·9	46	+ 12
	Kilkenny	64	32	59·7	41·0	49·9	− 5·2	60	3	2	0·09	− 0·54	*	*	*	*
	Waterford	64	38	60·0	43·9	51·6	− 3·9	67	0	1	0·05	− 0·70	*	*	*	*
	Roche's Point	63	43	59·9	46·9	53·1	− 3·4	78	0	2	0·06	− 0·78	*	*	*	*
	Valencia	60	43	58·4	49·1	53·5	− 3·1	81	0	6	0·24	− 0·76	36·2	+ 4·8	41	+ 5
	Killarney	65	39	62·0	45·9	53·6	− 2·1	81	0	5	0·45	− 0·45	*	*	*	*
	Foynes	60	41	58·0	46·4	51·9	− 3·4	69	0	5	0·47	− 0·24	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	61	52	59·7	53·0	56·2	− 2·4	99	0	3	0·04	− 0·70	57·7	+ 17·7	66	+ 20
	Jersey (St. Aubyn's)	65	45	62·7	51·4	56·8	− 3·9	104	0	3	0·55	− 0·15	42·3	− 1·4	48	− 2

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

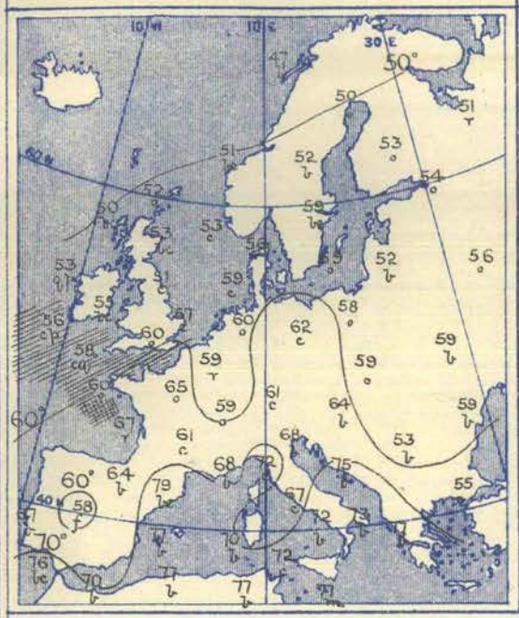
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

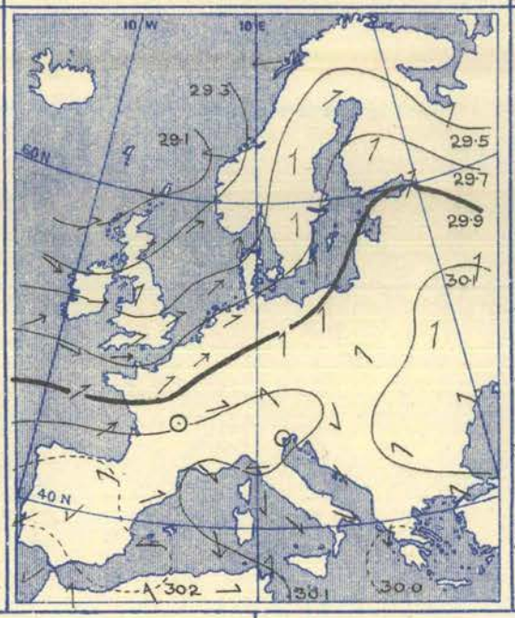
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 10th September, 1905.

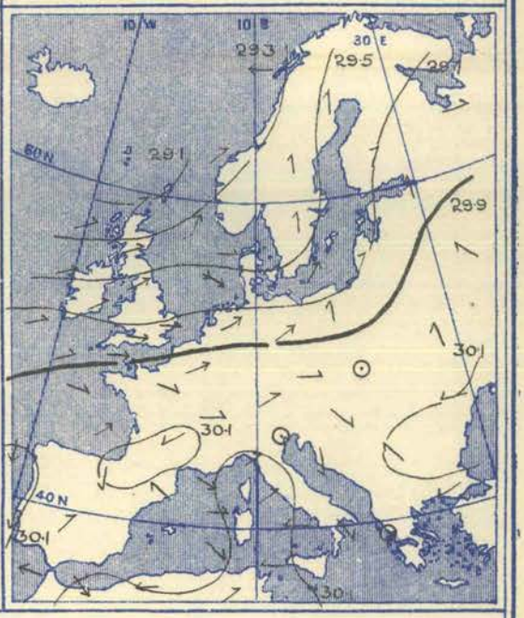
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. changeable and showery or rainy in most parts of our Islands and their neighbourhood. Cloudy or dull at most stations over northern Europe, with rain at Archangel. Fine and bright over the Mediterranean region. Heavy rain later over the north of France, Germany, Scandinavia, and Russia.

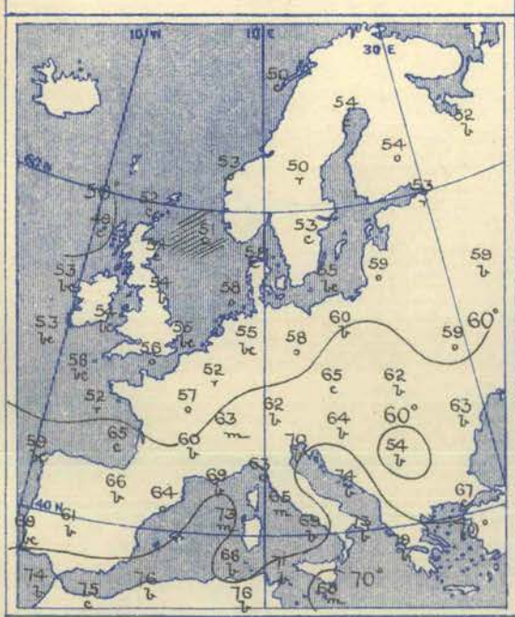
Temperature fallen in most places. Morning readings highest, 79° at Barcelona, 77° at Malta and Patras, and 75° at Lesina. Lowest, 47° at Bodö, 50° at Stornoway, 51° at Liverpool and Archangel, and 53° at Hermanstadt. Maxima during day below 65° in most parts of our Islands, about 70° in Germany, and 80° or above over the southern regions. Highest values, 92° at Patras and Madrid.

Wind at 8 a.m. moderate to very strong from West or South-West over our Islands and the north of France, and from the Southward over Denmark and Scandinavia. Light and variable breezes prevailing in central and southern Europe. Veering to West or North-West and blowing a gale on the Danish coast later, and continuing strong from the Westward over England and the Channel.

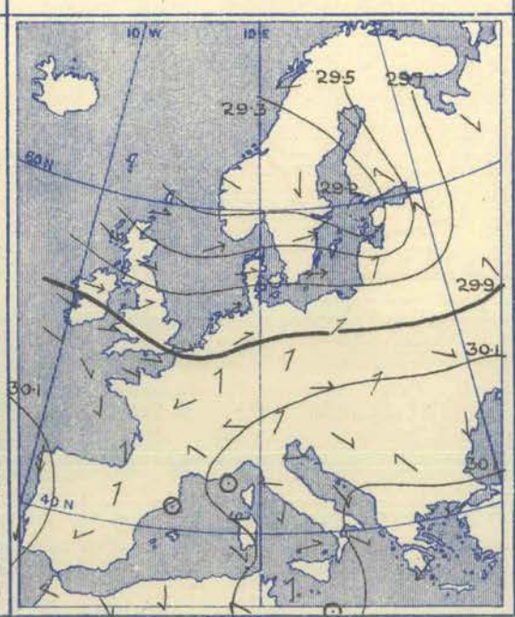
Barometer at 8 a.m. ranging from above 30·2 ins. over the Spanish Peninsula and above 30·1 ins. over the southern half of Russia to below 29·1 ins. off the north of Scotland. A small secondary disturbance over the south of England. Latter system moving away eastwards later and the barometer rising over our Islands generally. Pressure decreasing over Spain and Portugal.

Monday, 11th September, 1905.

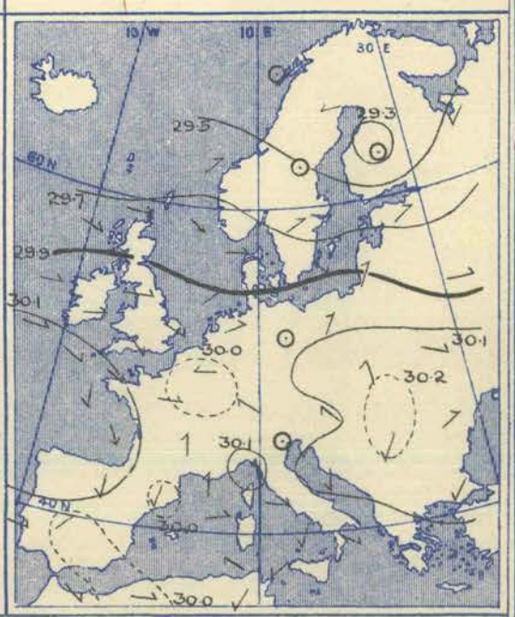
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair in most parts of our Islands, but dull, with some rain in the most southern and south-eastern localities, and also over the nearer parts of the Continent. Cloudy or overcast, with rain in places, over the central and northern counties. Still fine and bright in the south. Thunderstorms later in various parts of France and rain over the more northern regions of Europe. Heaviest falls, 0·7 in. at St. Petersburg and Aix-la-Chapelle, 0·9 in. at Clermont and Besançon, and 1·5 in. at Toulouse.

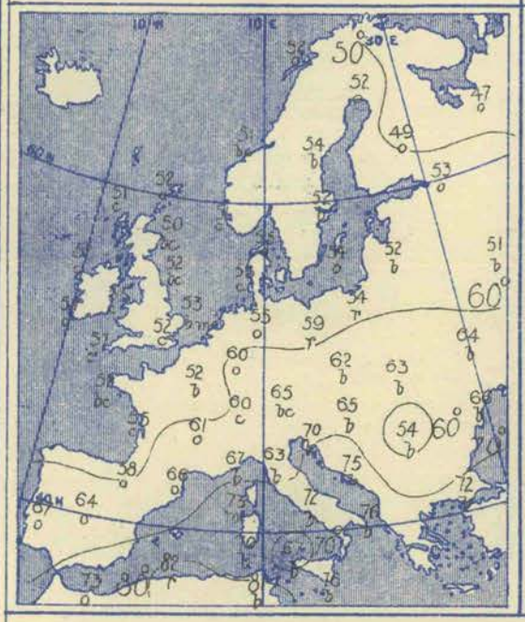
Temperature fallen in many places, but changed little as a whole. Morning readings ranging from 79° at Patras and Sfax and above 70° at some other southern stations, to below 60° over our Islands and the other northern countries, to 50° at Bodö and Hernösand, and to 49° at Stornoway. Maxima low over our Islands, the highest being 66° at Leith and Scarborough. Exceeding 70° in many parts of Germany, and 80° over southern Europe. Highest values, 90° at Toulouse and 95° at Aumale.

Wind in morning showing a cyclonic circulation varying in force from a moderate breeze to a strong gale around the south-west of Finland and a feeble cyclonic movement over Brittany and its neighbourhood. Mainly Westerly, and of little force, over our Islands and light and variable over central and southern Europe. No general change later, but wind veering to North-West in Ireland and England.

Barometer at 8 a.m. highest, 30·1 ins. and upwards over and to the westward of Portugal and also over Italy and the more southern regions of central Europe. Lowest, 29·2 ins. in the centre of a depression lying near Hangö, and about 29·25 ins. in a shallow system over Brittany and its vicinity. Depressions moving eastward or north-eastward later and an anticyclone extending from the Bay of Biscay to our south-western coasts.

Tuesday, 12th September, 1905.

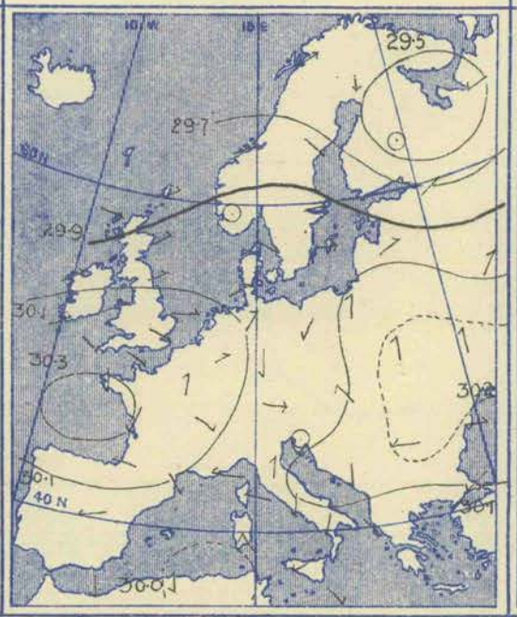
Temperature and Weather. 8 a.m.



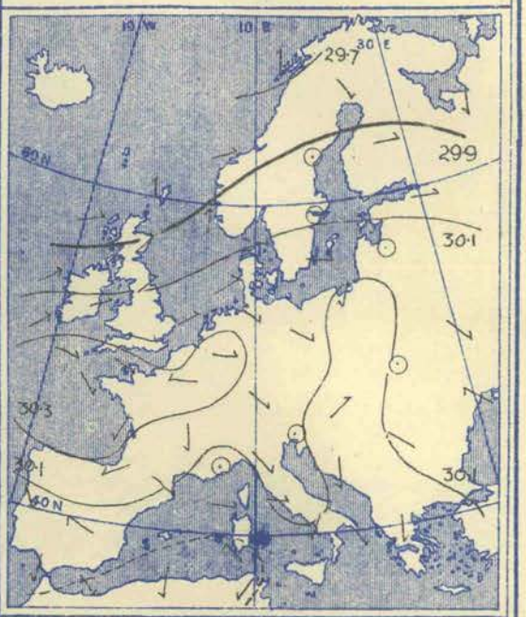
Weather at 8 a.m. fine and bright over our area generally, but overcast in the extreme north and also at the German stations, with rain in places. Rain also reported at Algiers. Rain falling later in several parts of our Islands and in some central and northern Continental localities—largest amount, 1·3 in. at Munich.

Temperature fallen in most regions. Morning readings highest, 82° at Algiers, 81° at La Calle, 75° at Lesina, and 74° at Barcelona. Lowest, (1) 47° at Archangel, (2) 49° at Brussels, (3) 43° at Bath, (4) 54° at Hermanstadt. Highest readings in our Islands during day, 65° in London and 66° at Clacton-on-Sea and Bournemouth. Thermometer rising to 80° and above in the central and southern countries and to above 90° in Algeria. Highest value, 99° at Algiers.

Barometer and Wind. 8 a.m.



6 p.m.

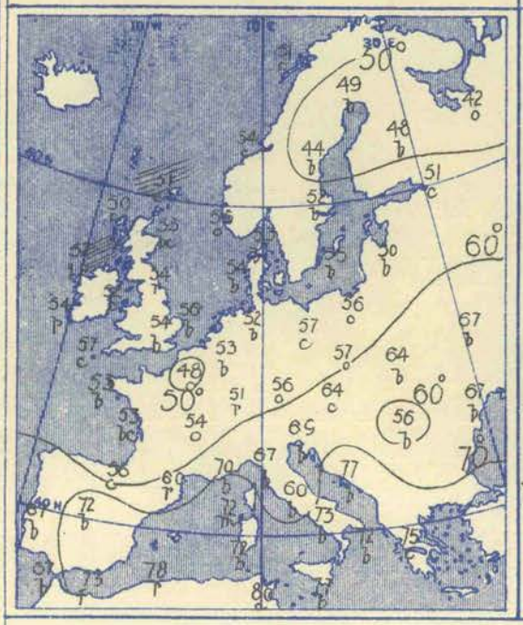


Wind at 8 a.m. circulating anticyclonically around the Bay of Biscay and cyclonically over the north of Russia and Finland. Fresh or strong in a few localities, but light or moderate generally. Increasing to a fresh or strong South-Westerly breeze by evening on our north-west coasts and in the west of Norway.

Barometer at 8 a.m. highest, 30·3 ins. and upwards in an anticyclone centred over the Bay of Biscay and above 30·2 ins. in the south of Russia. Lowest, below 30·0 ins. in a shallow depression near Berlin, less than 29·8 ins. off the north of Scotland, and below 29·5 ins. in a large depression over Finland. Pressure decreasing later on our north-west and north coasts. Anticyclone extending eastwards across the north of France and Finnish depression travelling away beyond our area.

Wednesday, 13th September, 1905.

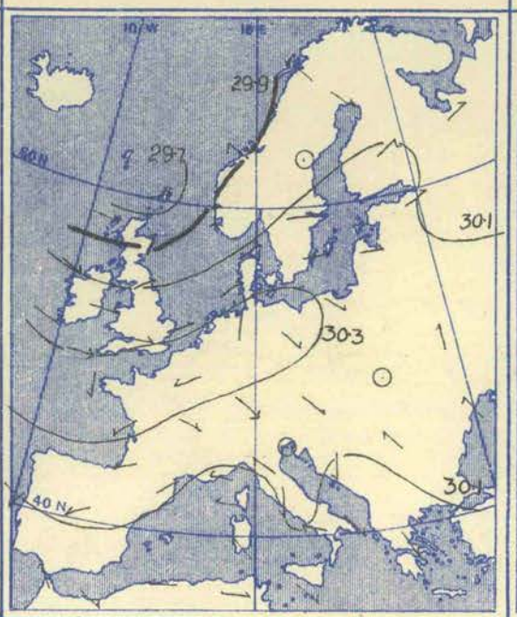
Temperature and Weather. 8 a.m.



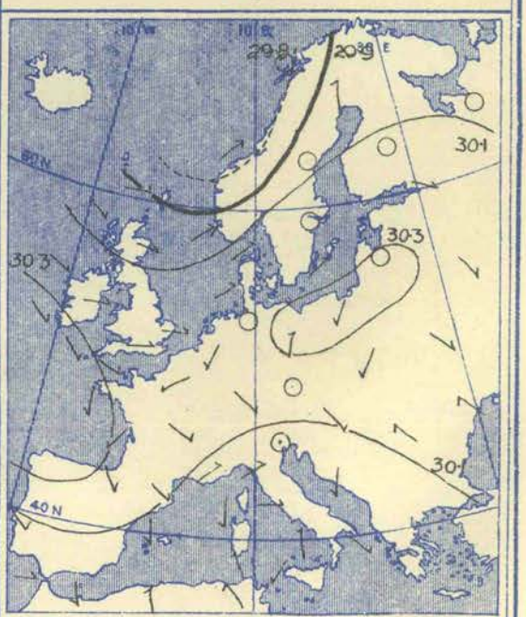
Weather at 8 a.m. fine or fair as a whole, but dull in places, with rain at Belfort and Perpignan, and passing showers at some of our south-western and western stations and at North Shields. Rain falling later in Norway, the south and south-east of France, South Germany, and at Palma, and showers in various parts of our Islands. Thunderstorms experienced in Algeria.

Temperature fallen generally. Readings in morning above 70° in many southern localities—highest value, 80° at Tunis. Below 50° over the north of France and in the northern regions of Sweden and Russia. Lowest value, 42° at Archangel. Rising later to 97° at Tunis, 87° at Rome and Florence, and above 80° at several other southern stations and in Hungary. Highest readings in Germany and the United Kingdom, 66° and 68° at Frankfurt and Clacton-on-Sea.

Barometer and Wind. 8 a.m.



6 p.m.

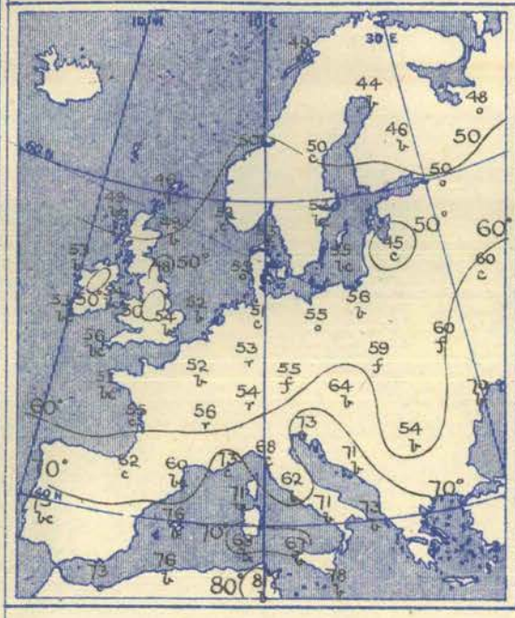


Wind at 8 a.m. South-Westerly or Westerly over the United Kingdom and at most stations in northern Europe. Moderate or light generally, but a gale prevailing at Skudesnaes. Light airs mainly from the Eastward over the Mediterranean and the Spanish Peninsula. Wind veering to the North-Westward later on our north-western and western coasts.

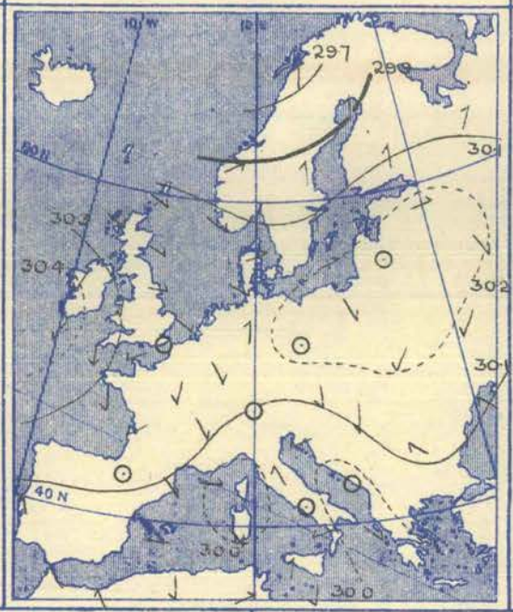
Barometer at 8 a.m. above 30·3 ins. in an anticyclonic band extending from the Bay of Biscay to the southern part of the Baltic. Below 29·7 ins. in a large depression having its centre north of the Shetlands. Latter system travelling north-eastwards during day and a very brisk baric rise taking place over Scotland in its rear. A small disturbance moving eastwards causing a fall of the mercury in the south and east of England.

Thursday, 14th September, 1905.

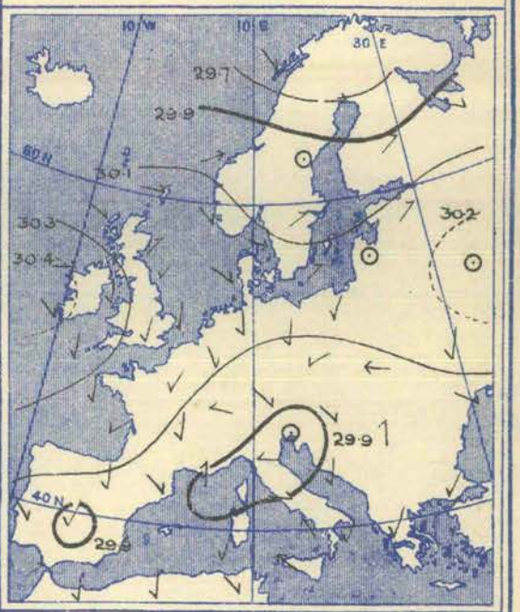
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine generally, but showery in the north of Ireland, rainy at some Scandinavian stations, and also at Belfort and Lyons. A little rain later on our northern and western coasts and showers of hail at Clacton-on-Sea. Rather heavy rain in several Continental localities and thunderstorms at Biarritz and Tunis.

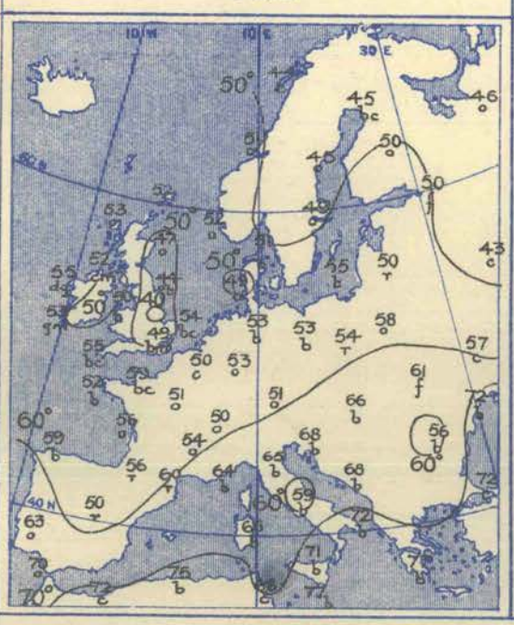
Temperature fallen in nearly all regions. Readings in morning highest, 81° at Sfax, 78° at Malta, 76° at Pahua, and 73° at Nice and Trieste. Lowest, (1) 42° at Nottingham, (2) 44° at Uleaborg, (3) 49° at Brussels. Rising during day to 68° at some of our own southern stations, to above 70° in the south of France, and to above 80° in Italy and other parts of the Mediterranean region. Highest values, 90° at Athens and Tunis.

Wind in morning light from between North-West and North-East over the United Kingdom and light to fresh between West and South over Scandinavia. Light and from no general direction elsewhere. Little change occurring later.

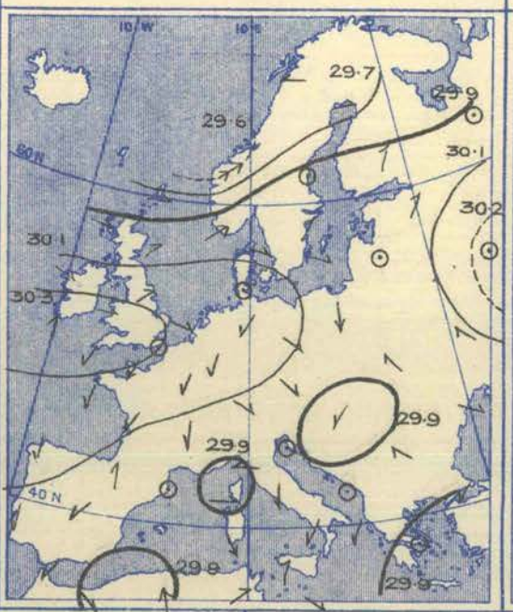
Barometer at 8 a.m. ranging from 30·4 ins. to 30·2 ins. in an anticyclone extending from the Atlantic across the United Kingdom to the Netherlands, and above 30·2 ins. in another system covering Poland and a good part of Russia and Germany. Below 29·7 ins. in a disturbance over the north-west of Norway. Relatively low in shallow systems over the Mediterranean and Adriatic. Not much change in the general distribution of pressure later.

Friday, 15th September, 1905.

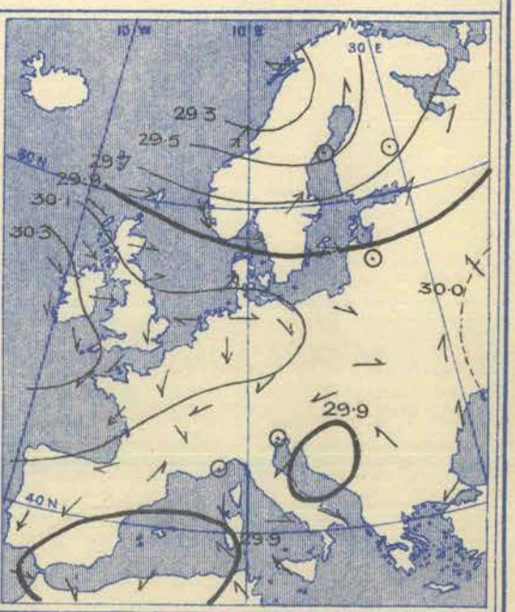
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine over England and most parts of southern Europe; cloudy or dull in other regions, with rain in the south-western departments of France and at Madrid, as well as at Breslau and Riga. Heavy rain later in Norway and considerable quantities over the southern portion of France and at Bilbao.

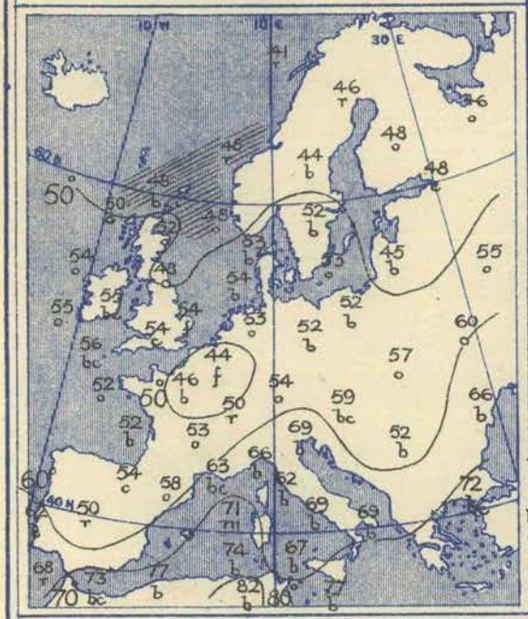
Temperature fallen in most places. Morning readings as high as 77° at Athens and Malta, but below 70° at some other southern stations. As low as 37° at Nottingham and only a little above 40° in the extreme north of Scandinavia and in central Russia. Rising subsequently to 95° at Aumale, 86° at Oporto and Brindisi, and to above 80° over southern and central Europe generally. Highest readings in our Islands 62° or 63°.

Wind in morning light from the Westward on our northern coasts and strong to a gale from the South-Westward on the west coast of Norway. Moderate or light from some point between North-West and North-East over central Europe, France, and the Iberian Peninsula. Increasing to a moderate gale from the North-Westward in Caithness later and to a strong gale from West or South-West in the south of Sweden.

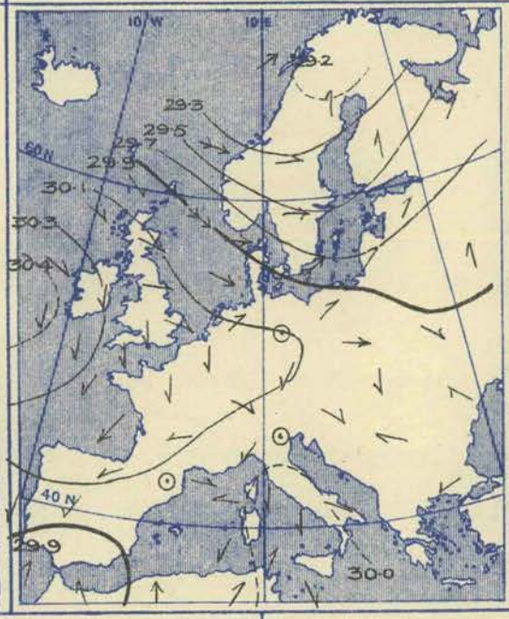
Barometer at 8 a.m. highest, 30·3 ins. and upwards in an anticyclone extending from the Atlantic to our Midland Counties, and above 30·2 ins. in another system over central Russia. Lowest, less than 29·6 ins. in a large depression off the west of Norway. Latter system travelling north-eastwards during day and barometer rising decidedly on our north-west coasts. Little change occurring in some shallow disturbances over southern Europe.

Saturday, 16th September, 1905.

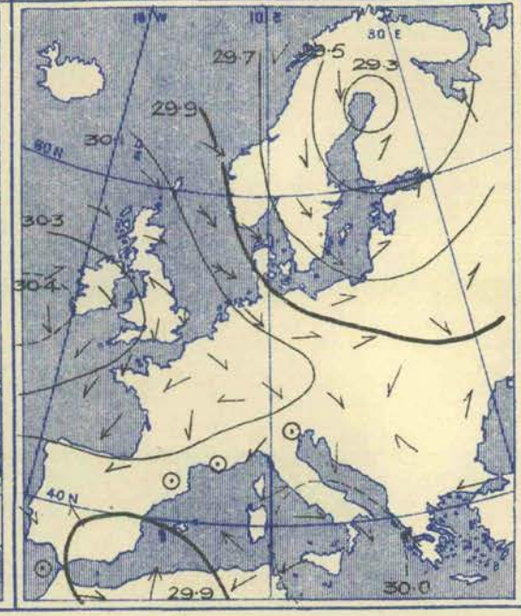
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather fine and bright in most parts of southern Europe, but variable conditions prevailing elsewhere. Rain falling in the north of Scandinavia, over the Gulf of Finland, and at Munich and Belfort, as well as at Madrid. Rain experienced later in most parts of central and northern Europe as well as at Pesaro and in the Spanish Peninsula. Heaviest fall, 1·4 in. at Uleaborg.

Temperature changed irregularly. Morning readings highest, 82° at La Calle and Tunis, 77° at Malta, 72° at Constantinople, and 70° at Pesaro. Lowest, 41° at Bodö, 44° at Brussels, below 50° at many northern stations, and only a few degrees above it in the central countries. Rising during day to a few degrees above 60° in the south of England, to 70° and upwards in the south of France, and to above 80° in Italy, Greece, and Algeria. Highest values, 92° at Patras and 106° at Algiers.

Wind at 8 a.m. light to fresh from the North-Westward over our Islands and strong to a gale between North-West and South-West over Scandinavia. Moderate from the North-Eastward over France and the Spanish Peninsula, and light and variable over the Mediterranean. Becoming North-Westerly throughout Scandinavia by evening and continuing strong to a gale.

Barometer in morning ranging from above 30·3 ins. in Ireland to below 29·9 ins. in the south-west of our area, and to below 29·2 ins. in Lapland. Gradients rather steep over the southern half of Scandinavia and the Baltic, moderate or slight elsewhere. High pressure system extending northwards and eastwards during day. Gradients increasing steadily over the northern half of the Continent.

IV.—GENERAL NOTES, etc.

At the commencement of the week pressure was highest over the southern and central regions of Europe, while the northern countries lay in the track of depressions travelling in a general easterly direction. As the week progressed the conditions became gradually modified by the area of highest pressure extending from the Atlantic coasts of Ireland across England and the North Sea, while some low pressure systems of little depth appeared over the Mediterranean region. The South-Westerly and Westerly or North-Westerly winds that accompanied the cyclonic disturbances rarely rose beyond a fresh breeze on our own coasts, but they were stronger over Scandinavia and its neighbourhood, often attaining the force of a strong breeze or moderate gale, and occasionally blowing a fresh or strong gale. The general movement of temperature was downward and the readings usually low for the time of year except in the most southern regions. Maxima much above 60° did not often occur in any part of the United Kingdom, but afternoon readings between 80° and 90° continued common over the Mediterranean, and on Saturday the thermometer rose to 106° at Algiers. Considerable or large quantities of rain were measured at times over the more northern countries of the Continent, but as a whole the week was fair and dry.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 218.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	50·0	+25·0	56	+ 28
STRATHPEFFER SPA	32·5	+ 5·5	37	+ 6
CRATHES	31·4	—	35	—
BALRUDDERY	44·3	—	50	—
EDINBURGH	40·5	+16·1	46	+ 18
COCKLE PARK	48·5	—	55	—
NEWCASTLE-on-TYNE	35·8	—	40	—
SALTBURN-by-the-SEA	40·1	—	45	—
YORK	44·5	+16·7	50	+ 19
SKEGNESS	60·4	—	68	—
CROMER	50·4	—	57	—
LOWESTOFT	52·8	—	59	—
DUNMOW	47·6	—	54	—
SHEFFIELD	49·5	—	56	—
WORKSOP	44·1	+ 16·5	50	+ 19
MARGATE	42·6	+ 7·9	48	+ 9
BROADSTAIRS		—		—
RAMSGATE	41·3	—	47	—
EASTBOURNE	40·2	+ 0·5	46	+ 1
BRIGHTON	46·3	+ 6·9	53	+ 8
WORTHING	48·2	—	55	—
BOGNOR	51·0	—	58	—
VENTNOR HOSPITAL	52·7	+ 11·8	60	+ 13
BOURNEMOUTH	53·3	—	61	—
MARLBOROUGH	41·4	+ 10·4	47	+ 12
SOUTHPORT	47·0	—	53	—
RHYL	46·9	—	53	—
ABERDOVEY	41·3	—	46	—
TENBY	40·5	+ 4·3	46	+ 5
TORQUAY	43·0	+ 5·1	49	+ 6
NEWQUAY	48·6	+ 12·1	55	+ 14
GUERNSEY	45·8	+ 3·8	52	+ 4

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 32, page 188	Newton Rigg	—	—	—	43·1	51·8	− 4·7	69	—	—	—	—	—	—	—	—
,, 34, ,, 200	Liverpool	—	—	—	—	—	—	—	—	—	1·08	+0·41	—	—	—	—
,, 34, ,, 204	Ramsgate	—	—	—	—	—	—	—	—	—	—	—	51·2	—	52	—
,, 35, ,, 206	Valencia	—	—	—	—	—	—	—	—	—	1·52	+0·46	—	—	—	—

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No 38. THIRTY-EIGHTH WEEK, ENDING SATURDAY, SEPTEMBER 23RD, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 224.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	67	32	59·4	44·6	51·7	1 above	68	+ 8	0	−3	1759	+ 47	476	− 86
	1. SCOTLAND, EAST	67	30	60·0	43·0	51·1	1 below	64	− 3	0	−3	2046	+ 9	505	−104
	2. ENGLAND, N.E.	68	32	60·6	45·8	52·9	1 below	76	− 2	0	−1	2436	+219	374	−125
	3. ENGLAND, EAST	67	37	61·8	47·4	54·2	1 below	85	− 6	0	−2	2764	+204	349	−195
	4. MIDLAND COUNTIES	69	32	61·1	44·3	52·3	2 below	72	− 9	0	−2	2597*	+ 62	394	−160
	5. ENGLAND, SOUTH	66	35	61·2	46·6	53·6	3 below	81	−17	0	−1	2771	− 16	268	−136
Principal Grazing Districts.	6. SCOTLAND, WEST	62	37	58·1	45·4	51·4	1 below	66	− 6	0	−1	2229	+ 77	313	−113
	7. ENGLAND, N.W.	67	31	59·4	45·6	52·2	3 below	71	−11	0	−1	2419	+ 63	273	−132
	8. ENGLAND, S.W.	65	31	60·3	46·1	52·9	3 below	76	−16	0	−1	2616	+ 14	222	− 86
	9. IRELAND, NORTH	61	35	58·2	47·2	52·4	1 below	73	− 2	0	−1	2300	+ 20	271	− 82
	10. IRELAND SOUTH	64	37	59·3	48·3	53·5	1 below	81	− 5	0	−1	2704	+121	166	− 93
	— CHANNEL ISLANDS	65	49	61·7	52·7	57·0	2 below	105	− 8	0	0	3050	+ 86	55	− 65

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 224.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	2	8 less	198	+38	35·5	+ 5·5	38	+15	45	+18	1000	+ 36	28	+ 1
	1. SCOTLAND, EAST	1	less than half	7 less	151	+12	17·8	− 3·9	30	+ 3	36	+ 4	1168	+ 30	33	+ 1
	2. ENGLAND, N.E.	0	less than half	5 less	113	−14	12·4	− 4·9	36	+ 3	42	+ 3	1293	+ 76	37	+ 2
	3. ENGLAND, EAST	0	—	6 less	117	−10	13·8	− 2·9	40	+ 6	48	+ 7	1413	+ 66	40	+ 2
	4. MIDLAND COUNTIES	1	less than half	6 less	124	+ 2	15·8	− 3·5	26	0	30	0	1224	+ 31	35	+ 1
	5. ENGLAND, SOUTH	1	1	6 less	121	+ 2	18·1	− 0·7	28	− 7	33	− 8	1365	+ 8	39	0
Principal Grazing Districts.	6. SCOTLAND, WEST	1	1	10 less	150	+ 6	32·5	− 1·2	28	0	33	0	1263	+ 85	36	+ 2
	7. ENGLAND, N.W.	1	less than half	8 less	139	+ 4	21·6	− 1·8	32	+ 5	38	+ 6	1269	+172	36	+ 5
	8. ENGLAND, S.W.	1	less than half	8 less	137	+ 3	23·1	− 2·3	35	+ 3	41	+ 3	1290	− 80	37	− 2
	9. IRELAND, NORTH.	3	2	6 less	171	+ 7	25·2	+ 0·1	24	− 1	29	− 1	1207	+147	34	+ 4
	10. IRELAND, SOUTH	3	3	4 less	157	+11	25·5	− 2·3	16	−15	18	−18	1161	− 45	33	− 1
	— CHANNEL ISLANDS	2	2	6 less	150	+13	19·0	− 2·0	36	− 4	42	− 4	1472	−129	42	− 4

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather during this week was fair and dry over the Kingdom generally, but a good deal of cloud was experienced in the south of Ireland, and occasional slight rain in that country generally, as well as in the extreme north of Scotland.

Temperature was below the mean in all districts except Scotland N., where there was a slight excess. The highest of the maxima, which were recorded on various dates, ranged from 69° in the Midland Counties to 61° in Ireland N. The lowest of the minima were mostly registered on the 21st and ranged from 30° in Scotland E., 31° in England S.W. and N.W., and 32° in Scotland N., England N.E., and the Midland Counties, to 37° in England E., Scotland W., and Ireland S., and to 49° in the Channel Islands.

Rainfall was scarcely appreciable in most parts of Great Britain and much less than the mean over the Kingdom generally.

Bright Sunshine exceeded the mean in most districts, but only just equalled it in the Midland Counties and Scotland W., and was deficient in England S., the Channel Islands, and over Ireland. The percentage of the possible duration ranged from 48 in England E., 45 in Scotland N., and 42 in England N.E. and the Channel Islands, to 30 in the Midland Counties, and to 18 in Ireland S.

Barometer and Wind. At the commencement of the week a band of high pressure stretched from the Atlantic across Ireland and England, while the wind was Westerly in the north and Easterly in the south. The highest pressures, however, soon became transferred to central Europe. It was followed by another, which, spreading over these Islands from the Bay of Biscay, formed a junction with an anticyclone over Scandinavia, and subsequently extended thence in an arm of high pressure towards this country during the greater part of the week. A depression which travelled south-eastwards to the Bay of Biscay on Friday and Saturday caused the wind to draw into the south-eastward and afterwards into the eastward on all our coasts and to blow freshly or strongly in the south and south-east.

4085 370 Wy. & S. Ltd. 9 | 05.

II.—DATA from which the SUMMARY on page 223 has been calculated.

Districts. Sept. 17-23, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head	56	41	54·9	47·1	50·8	+ 1·0	62	0	3	0·26	- 0·57	*	*	*	*
	Stornoway	66	37	60·4	46·0	52·9	+ 2·6	76	0	4	0·32	- 0·68	41·5	+ 17·2	49	+ 20
	Wick	65	39	59·3	45·9	52·3	+ 1·3	72	0	2	0·11	- 0·54	*	*	*	*
	Lairg 𝔖	67	33	63·5	42·5	52·5	+ 3·1	74	0	2	0·07	- 0·67	*	*	*	*
	Glencarron 𝔖	63	38	57·9	43·0	50·1	- 0·1	57	0	4	0·40	- 1·44	*	*	*	*
	Fort Augustus 𝔖	64	32	60·5	43·3	51·5	- 0·5	67	0	1	0·07	- 0·88	33·5	+ 15·7	39	+ 19
1. SCOTLAND, E.	Nairn	67	30	62·3	41·7	51·5	- 0·5	68	1	1	0·01	- 0·57	*	*	*	*
	Aberdeen	63	37	59·4	44·7	51·7	- 0·5	68	0	2	0·02	- 0·65	42·4	+ 14·7	50	+ 17
	Braemar 𝔖	65	30	57·2	40·7	48·6	+ 0·2	52	4	1	0·02	- 0·75	*	*	*	*
	Clathick 𝔖	67	32	61·9	42·9	51·9	- 0·1	69	0	2	0·08	- 0·72	*	*	*	*
	Leith	65	33	61·7	46·0	53·5	- 0·2	81	0	1	0·01	- 0·47	*	*	*	*
	Marchmont 𝔖	60	34	57·6	42·0	49·4	- 1·8	52	0	0	0·00	- 0·72	24·6	- 0·8	29	- 1
2. ENGLAND, N.E	Alnwick Castle	62	32	59·4	43·9	51·3	- 0·9	65	0	1	0·02	- 0·62	*	*	*	*
	Durham	64	33	59·6	43·2	51·0	- 1·9	63	0	1	0·13	- 0·40	26·9	+ 0·6	32	+ 1
	Shields	62	39	58·9	42·4	50·3	- 2·8	58	0	0	0·00	- 0·50	*	*	*	*
	Scarborough 𝔐	65	48	61·0	50·5	55·5	+ 1·3	95	0	1	0·04	- 0·55	36·1	—	43	—
	Spurn Head	63	51	60·4	52·3	56·2	+ 0·8	99	0	0	0·00	- 0·44	*	*	*	*
	Lincoln	68	38	62·4	45·4	53·5	- 1·3	81	0	0	0·00	- 0·50	*	*	*	*
	Fulbeck (Lincolnshire)	68	35	62·5	42·9	52·2	- 2·4	71	0	0	0·00	- 0·48	40·9	—	48	—
3. ENGLAND, E.	Hillington 𝔐	67	37	62·5	45·0	53·3	- 1·5	79	0	0	0·00	- 0·60	44·2	+ 14·2	52	+ 17
	Yarmouth	62	45	60·7	51·0	55·6	0·0	95	0	0	0·00	- 0·62	*	*	*	*
	Geldeston	67	39	62·5	45·9	53·8	- 2·1	83	0	0	0·00	- 0·56	41·5	+ 6·7	49	+ 8
	Cambridge	65	39	62·4	43·6	52·6	- 3·2	74	0	0	0·00	- 0·48	34·0	+ 1·0	40	+ 1
	Felixstowe	66	42	61·8	49·8	55·5	+ 0·2	95	0	0	0·00	—	44·8	—	53	—
	Clacton-on-Sea	65	46	61·6	50·0	55·5	- 0·5	95	0	1	0·01	—	36·8	—	43	—
	Rothamsted	65	41	60·5	44·5	52·1	- 2·1	71	0	0	0·00	- 0·61	33·7	+ 2·2	40	+ 3
	Shoeburyness	66	43	62·1	49·0	55·2	- 1·8	92	0	1	0·02	- 0·46	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	69	39	61·2	44·7	52·6	- 0·4	74	0	0	0·00	- 0·67	37·1	—	44	—
	Bawtry (Hesley Hall)	69	36	64·3	43·6	53·5	- 1·0	81	0	0	0·00	- 0·53	*	*	*	*
	Nottingham	69	39	62·3	43·0	52·2	- 2·4	71	0	0	0·00	- 0·57	22·1	—	26	—
	Colly Weston (Stamford)	69	39	63·1	44·4	53·3	- 1·8	79	0	0	0·00	- 0·56	*	*	*	*
	Cheadle 𝔐	63	41	59·1	45·9	52·2	- 0·7	71	0	2	0·05	- 0·67	*	*	*	*
	Birmingham (Edgbaston)	63	42	59·0	46·6	52·5	- 1·7	74	0	1	0·02	- 0·58	12·5	—	15	—
	Shrewsbury	63	32	60·8	43·4	51·7	- 2·7	68	0	1	0·08	—	*	*	*	*
	Hereford 𝔐	63	33	59·9	41·2	50·1	- 4·5	60	2	1	0·04	- 0·56	*	*	*	*
	Cirencester	64	40	60·0	45·5	52·4	- 1·5	73	0	2	0·03	- 0·64	33·7	+ 3·2	40	+ 4
	Oxford	65	39	61·1	44·6	52·5	- 2·7	74	0	0	0·00	- 0·56	27·5	- 4·9	32	- 6
	Westminster	66	45	62·1	49·4	55·5	- 0·9	95	0	0	0·00	—	25·4	+ 0·5	30	+ 1
5. ENGLAND, S.	London (Brixton)	66	43	63·0	47·7	55·0	- 1·8	91	0	0	0·00	- 0·53	25·5‡	- 2·5‡	30‡	- 3‡
	Wisley (Surrey)	64	35	61·0	43·1	51·6	- 6·5	67	0	2	0·07	—	30·0	—	25	—
	Swarraton (Alresford) 𝔐	63	35	59·4	41·6	50·1	- 4·1	58	1	3	0·07	- 0·60	*	*	*	*
	Tunbridge Wells 𝔐	63	39	60·4	45·2	52·4	- 4·8	73	0	2	0·05	—	27·6	—	33	—
	Dungeness	64	43	61·9	49·4	55·4	- 1·9	94	0	1	0·02	- 0·60	26·8	—	32	—
	Hastings (St. Leonards)	65	46	61·8	49·6	55·4	- 2·0	94	0	2	0·06	- 0·59	26·7	- 11·3	31	- 13
	Southampton	66	41	62·7	47·4	54·7	- 2·3	89	0	1	0·05	- 0·62	34·3	- 1·1	40	- 1
	Portland Bill	66	47	61·7	49·7	55·4	- 1·9	94	0	1	0·30	—	*	*	*	*
	Shaftesbury 𝔐	62	43	59·3	45·5	52·1	- 2·7	71	0	1	0·08	- 0·71	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	62	39	59·2	47·2	52·9	+ 0·2	76	0	1	0·30	- 1·37	*	*	*	*
	Glasgow	58	40	57·1	46·8	51·7	- 0·3	68	0	1	0·01	- 0·85	20·9	- 0·7	25	- 1
	Cally 𝔖	58	39	55·7	42·2	48·6	- 3·8	46	0	1	0·08	- 0·97	*	*	*	*
	Aspatria	62	37	60·5	44·6	52·2	- 1·0	71	0	1	0·04	—	30·5	—	36	—
	Douglas (Isle of Man)	60	43	57·9	46·0	51·7	- 1·4	68	0	1	0·01	- 0·85	32·6	+ 0·8	38	+ 1
7. ENGLAND, N.W.	Newton Rigg	64	31	58·6	40·9	49·3	- 3·0	56	3	1	0·01	—	30·6	—	36	—
	Stonyhurst	59	38	58·2	45·8	51·7	- 1·6	68	0	0	0·00	- 1·14	27·0	- 0·6	32	- 1
	Blackpool 𝔐	61	35	59·1	42·2	50·2	- 4·3	57	0	0	0·00	- 0·85	30·7	+ 3·6	36	+ 4
	Manchester (Prestwich)	67	38	61·1	44·8	52·6	- 1·0	74	0	1	0·01	- 0·89	26·1	—	31	—
	Liverpool Obsy. (Bidston)	60	44	58·6	49·4	53·8	- 1·4	83	0	1	0·03	- 0·71	27·4	—	32	—
	Chester (Hawarden Bridge)	61	35	60·0	46·5	52·9	- 3·2	76	0	1	0·10	—	*	*	*	*
	Llandudno 𝔐	63	43	60·0	48·7	54·1	- 2·0	85	0	1	0·01	- 0·70	40·3	+ 12·9	47	+ 15
	Holyhead	62	46	59·4	49·9	54·4	- 1·1	87	0	0	0·00	- 0·73	*	*	*	*
	Bettws-y-Coed	63	36	60·0	42·0	50·6	- 5·0	60	0	1	0·01	—	36·4	—	43	—
8. ENGLAND, S.W.	Llangammarch Wells	61	31	58·0	39·7	48·4	- 5·1	54	6	1	0·02	—	*	*	*	*
	Pembroke	62	46	60·0	48·7	54·1	- 2·2	85	0	1	0·01	- 0·76	42·1	+ 9·1	50	+ 11
	Cardiff	64	39	60·7	44·2	52·1	- 3·8	71	0	1	0·16	—	*	*	*	*
	Clifton	64	43	59·8	47·8	53·5	- 1·9	81	0	1	0·01	- 0·77	*	*	*	*
	Bath	65	36	61·3	43·3	51·9	- 4·4	69	0	1	0·03	- 0·67	27·7	—	33	—
	Arlington (N. Devon)	63	40	59·6	46·1	52·5	- 2·1	74	0	2	0·06	- 1·10	*	*	*	*
	Cullompton 𝔐	65	36	62·0	44·2	52·7	- 3·1	75	0	1	0·01	- 0·74	34·2	+ 2·0	40	+ 2
	Falmouth	62	49	60·3	51·1	55·5	- 0·9	95	0	0	0·00	- 0·99	29·3	- 6·4	35	- 8
	Plymouth	63	47	61·3	49·4	55·1	- 1·3	92	0	2	0·03	- 0·76	42·0	+ 7·6	49	+ 9
9. IRELAND, N.	Malin Head	59	43	57·0	48·1	52·3	- 1·8	72	0	4	0·11	- 0·62	*	*	*	*
	Edenfel (Omagh)	61	37	57·6	45·7	51·4	- 0·2	66	0	4	0·11	- 0·69	*	*	*	*
	Blacksod Point	61	47	58·9	50·1	54·3	- 0·8	86	0	5	0·53	- 0·41	*	*	*	*
	Markree Castle	61	39	59·6	45·5	52·2	- 0·4	71	0	3	0·15	- 0·75	22·1	- 2·3	26	- 3
	Armagh	61	35	58·5	44·9	51·4	- 1·0	66	0	1	0·01	- 0·64	26·4	0·0	31	0
	Donaghadee	59	42	57·4	48·6	52·8	- 0·8	76	0	1	0·03	- 0·62	*	*	*	*
10. IRELAND, S.	Dublin	62	41	59·1	47·2	52·9	- 2·0	76	0	1	0·01	- 0·52	16·0	- 16·6	19	- 20
	Birr Castle	61	40	59·1	46·6	52·6	- 0·8	74	0	1	0·06	- 0·60	17·0	- 12·1	20	- 14
	Kilkenny	62	37	58·6	46·7	52·4	- 1·7	73	0	0	0·00	- 0·62	*	*	*	*
	Waterford	64	40	61·1	47·4	53·9	- 1·1	83	0	1	0·10	- 0·66	*	*	*	*
	Roche's Point	62	47	59·1	50·0	54·3	- 1·3	86	0	4	0·11	- 0·74	*	*	*	*
	Valencia	62	43	58·9	50·0	54·2	- 1·6	85	0	4	1·85	+ 0·82	13·8	- 16·6	16	- 20
	Killarney	64	46	60·0	49·9	54·7	- 0·1	89	0	6	0·38	- 0·56	*	*	*	*
	Foynes	62	37	58·1	48·2	52·9	- 1·6	76	0	5	0·15	- 0·56	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	61	51	60·0	52·0	55·8	- 2·2	97	0	0	0·00	- 0·75	37·1	- 1·2	44	- 2
	Jersey (St. Aubyn's)	65	49	63·3	53·3	58·1	- 1·7	113	0	4	0·31	- 0·43	37·4	- 3·8	44	- 5

Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for Stations marked 𝔖 is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

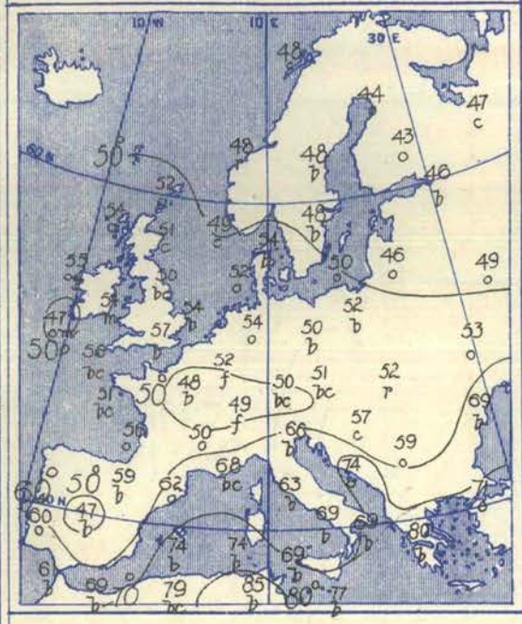
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

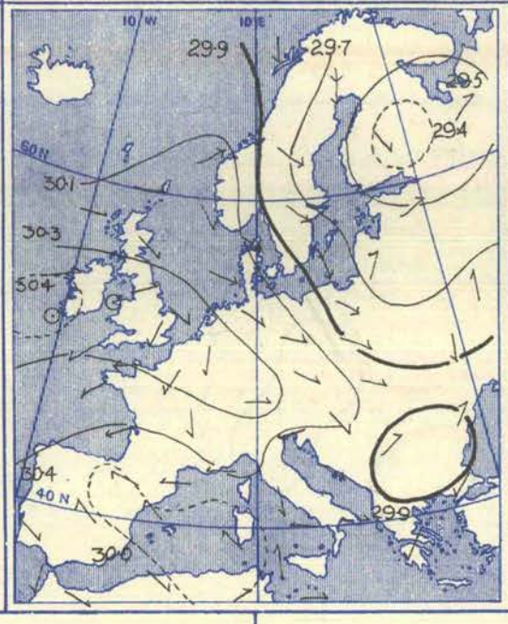
Note.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 17th September, 1905.

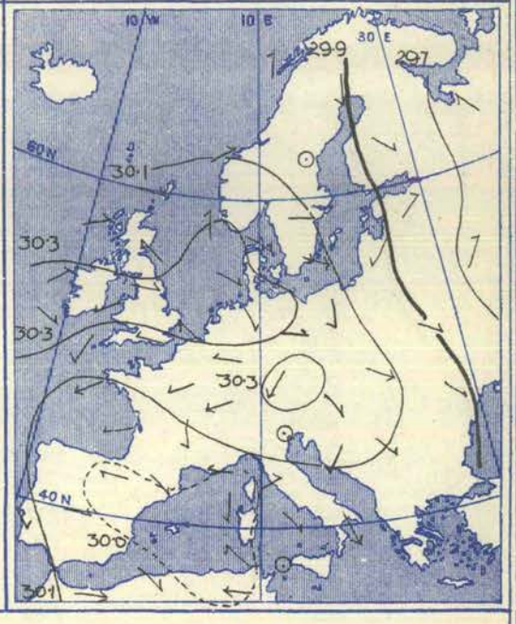
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very cloudy or quite overcast in places, and rainy at Christiansund and Barcelona, but fair or fine over our area generally. Thunderstorms later at a few French stations and rain in Russia and a few isolated localities elsewhere. Continuing fine generally.

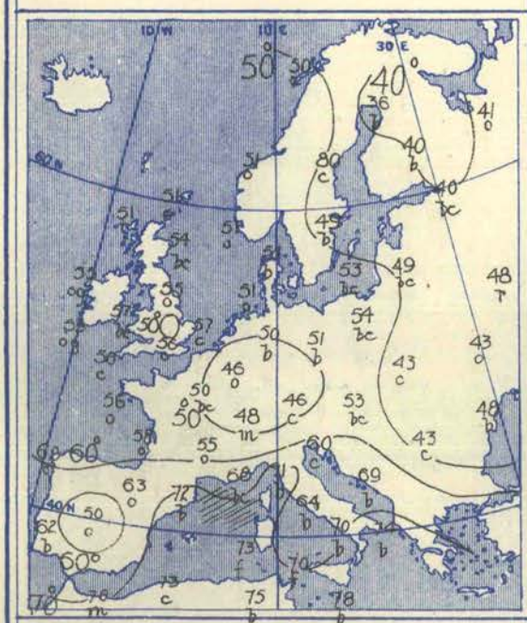
Temperature fallen in most places. Morning readings highest, 85° at La Calle, 80° at Patras, 74° at Lesina, and 70° at Barcelona. Lowest, (1) 42° at Nottingham, (2) 47° at Madrid, (3) 47° at Aix-la-Chapelle, 48° at Paris, (4) below 45° over Finland. Rising later to 100° at Tunis, 87° at Palermo and Rome, and to 80° in the far south generally. Maxima below 60° in several parts of our Islands and central Europe.

Wind at 8 a.m. showing two main circulations—anticyclonic over our Islands and their neighbourhood, and cyclonic over northern Europe. Northerly current strong to a gale over Scandinavia. Easterly wind increasing somewhat in force over the English Channel by evening. Gales over Scandinavia subsiding except at Wisby.

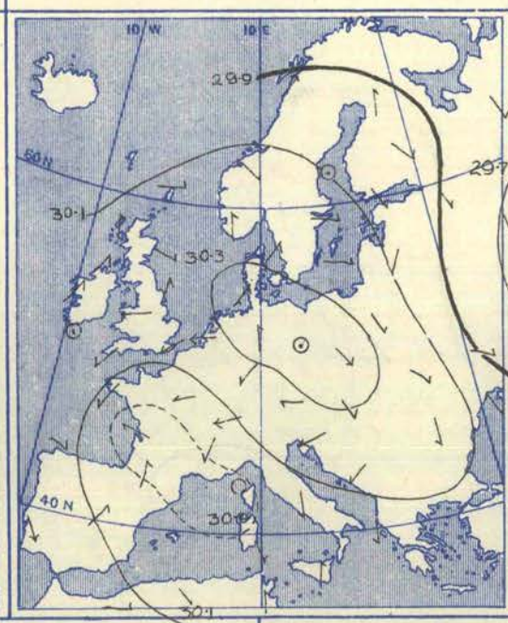
Barometer in morning ranging from 30·3 ins. in a large anticyclone extending from the Atlantic and covering Ireland, England, the Netherlands, and Bavaria, to less than 29·4 ins. in a depression centred over Finland. Relatively low over south-eastern and southern Europe. Finnish disturbance travelling away outside our area by evening. Barometer falling decidedly over the northern half of France and gradients in that neighbourhood increasing.

Monday, 18th September, 1905.

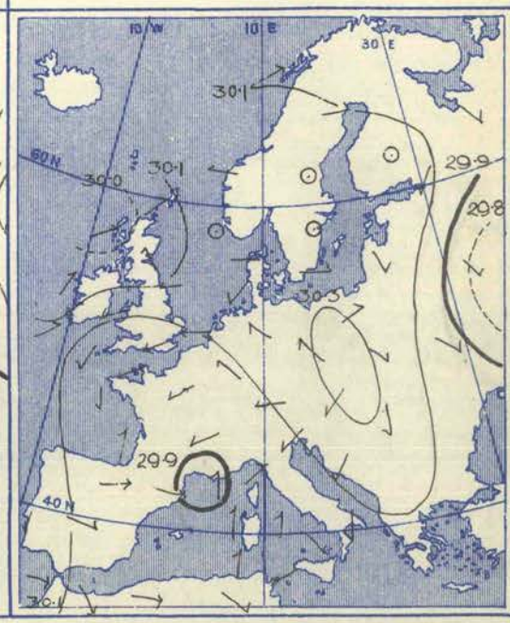
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine as a whole, but cloudy or overcast in some localities, and rainy at Stornoway, Limoges, and Moscow. Thunderstorms and heavy rain occurring later at several French stations and considerable amounts of rain at Bilbao and Turin.

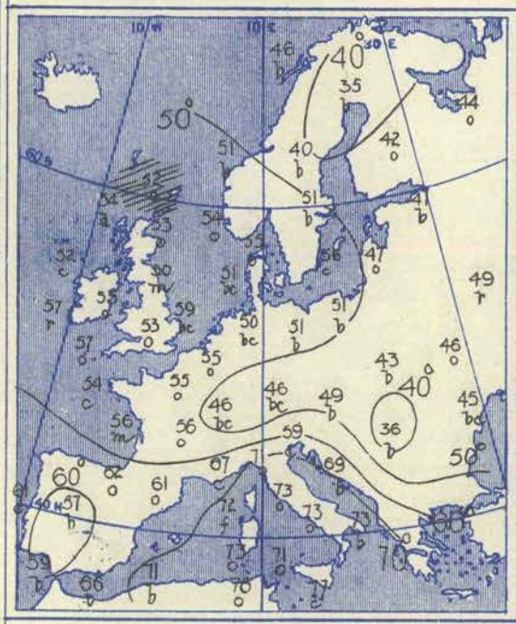
Temperature fallen in most regions—quickly in the south of Russia. Morning readings ranging from 78° at Malta, 74° at Brindisi, and 71° at Leghorn, to below 50° over central England and most parts of central and northern Europe, and to 36° at Uleaborg. Rising subsequently to 89° at Palermo, 87° at Rome, and to about 85° at several other southern stations. Remaining below 60° at some German and Polish stations and only just exceeding it in the south of England. Maximum as high as 67° at Nairn.

Wind at 8 a.m. anticyclonic over the greater part of our area, but a cyclonic circulation prevailing around France and the adjacent portion of the Mediterranean. Scarcely any force beyond a moderate breeze. Easterly wind increasing to a strong breeze on our south-east coasts later, and some increase of force taking place from the south-westward on our north-west coasts.

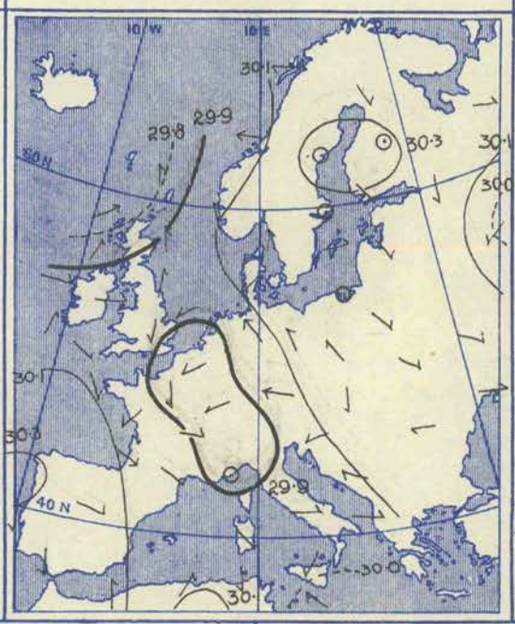
Barometer in morning above 30·3 ins. in a large anticyclone centred over Germany and Denmark. Below 29·7 ins. in an extensive depression over central Russia, and less than 30·0 ins. in a shallow disturbance, with its central area covering the greater part of France. Both high and low pressure systems moving slowly eastwards later, and another disturbance encroaching on our north-west coasts.

Tuesday, 19th September, 1905.

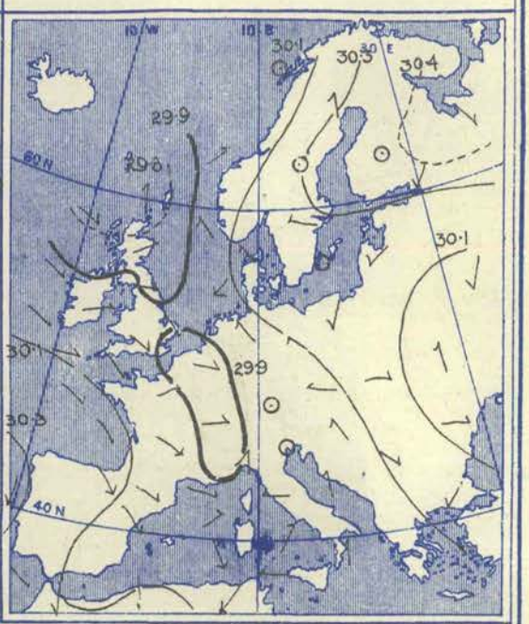
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. varying greatly; fine and bright at most stations in northern, central, and southern Europe; cloudy or overcast elsewhere, with rain at Moscow, Lyons, Valencia Island, and Stornoway. Heavy rain later over Italy, Belgium, and the south of France, and slight quantities on our north and west coasts.

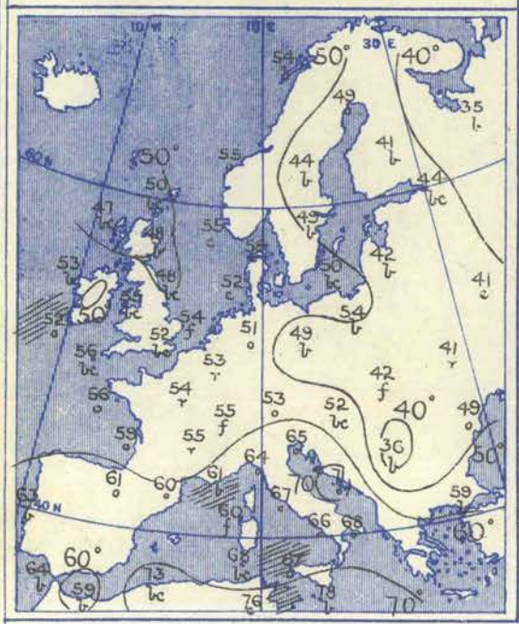
Temperature changed irregularly. Morning readings highest, 77° at Malta and Tunis, 73° at Rome, 71° at Genoa. Lowest, (1) 35° at Uleaborg, (2) 36° at Hermanstadt, 42° at Cracow, (3) 51° at Madrid, (4) 49° at Bath. Maxima during day, 88° at Sfax and 80° or above at several other stations in the far south. Not much above 60° over central Europe and in many French localities, and below it in the west and north of our Islands.

Wind in morning generally anticyclonic over the eastern half of our area and also in the extreme south-west, cyclonic over the intervening regions and in the north-west. Light or moderate as a whole, but strong at Biarritz and blowing a moderate gale at Christiansund. No change of a general character later. Wind veering somewhat on our own west and north-west coasts.

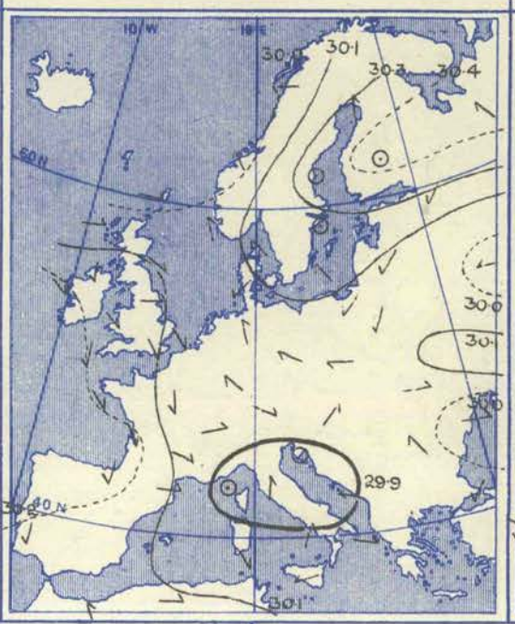
Barometer at 8 a.m. above 30·2 ins. in a large anticyclone extending from Lapland to Transylvania and also in another system over the western half of the Spanish Peninsula. Below 29·9 ins. in an elongated depression stretching from our south-east coasts to Lombardy, and below 29·8 ins. in a large disturbance off our north-west coasts. Pressure giving way later over central and south-eastern Europe, rising over the Bay of Biscay and our own western districts.

Wednesday, 20th September, 1905.

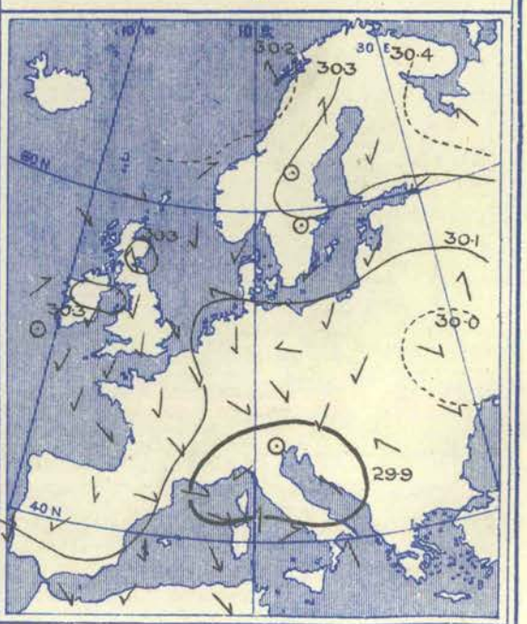
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over the greater part of our Islands and in many localities over northern Europe; cloudy or overcast in most other regions, with rain at Brussels, Turin, and at several French stations. Heavy rain experienced later in most parts of Italy—an inch at Brindisi and Leghorn—and smaller amounts in Norway and in a few other localities.

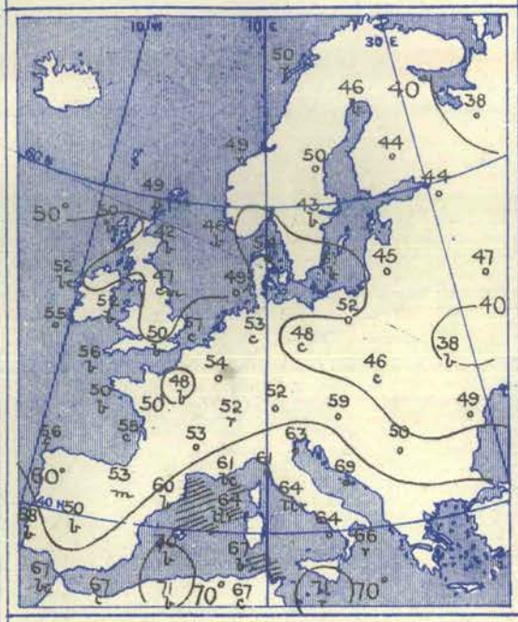
Temperature risen in the north of Sweden and at some German stations, fallen generally. Morning readings, 78° at Malta, 73° at Algiers, and 71° at Lesina. As low as 35° at Archangel, 36° at Hermanstadt, 41° at Moscow and Kiev, and below 50° in nearly all parts of central Europe and the north of our Islands. Rising later to 65° at some of our own stations, to above 70° in the south of Europe, and to about 80° in places.

Wind at 8 a.m. light to moderate in force very generally—cyclonic over Italy and Germany, but anticyclonic as a whole. No decided change occurring later; force increasing somewhat at some Mediterranean stations.

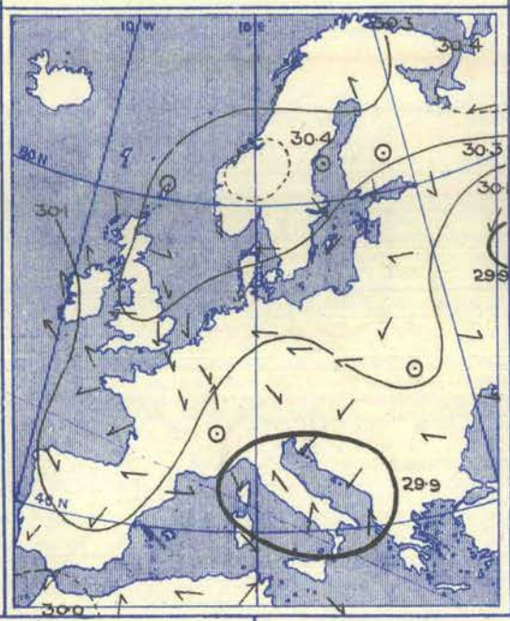
Barometer in morning above 30·4 ins. in a high pressure system having its maximum over Finland and northern Russia and above 30·2 ins. in another anticyclone covering the southern half of Ireland and the Bay of Biscay. Below 30·0 ins. over the greater part of Germany and less than 29·9 ins. over the north of Italy and its vicinity. Pressure increasing still further over the United Kingdom, the North Sea, and Norway. Depression over Italy maintaining its position with very little modification.

Thursday, 21st September, 1905.

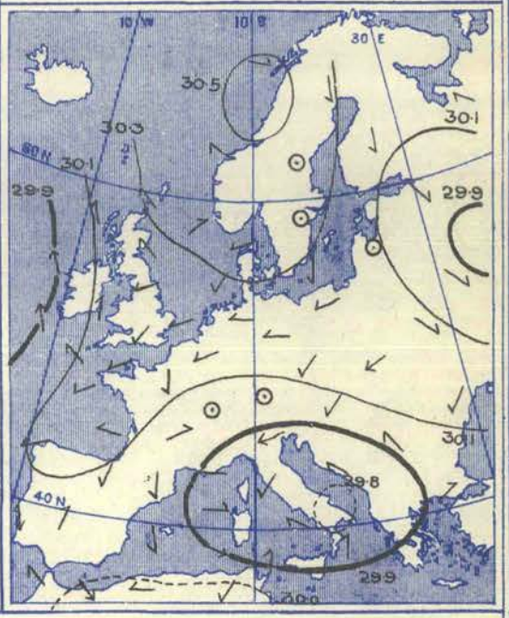
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine and bright in most parts of the United Kingdom and in various Continental regions; dull over Italy and the central countries, with rain at Malta and Brindisi and a thunderstorm at Rome and Sanguinaires. Rain also falling at Belfort and along the north-west coast of Norway. Considerable or heavy rain later in Italy and its vicinity and in the south-west of Ireland, and varying quantities in Russia. Heaviest falls, 1·5 in. at Lesina, 1·3 in. at Valencia Island, and 0·9 in. at Naples.

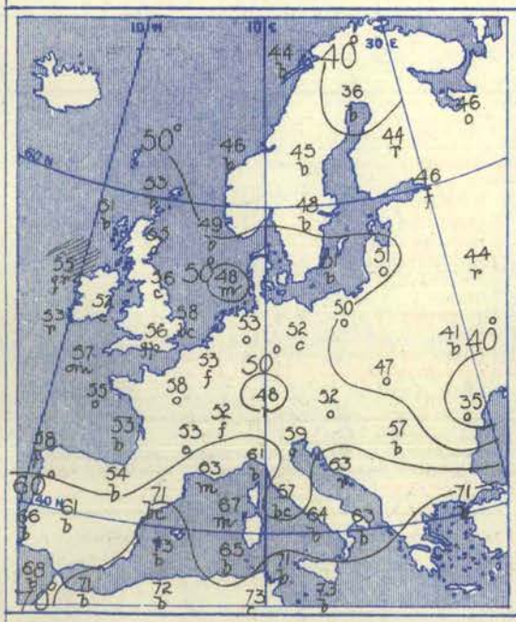
Temperature risen in a few places, but fallen as a whole. Morning readings highest, 73° at Palma and 71° at Algiers and Malta. Lowest, (1) 35° at Uleaborg, 38° at Archangel, (2) 38° at Kiev, 39° at Cracow, (3) 42° at Nairn and Aberdeen, 44° at Oxford, (4) 50° at Madrid. Rising subsequently to 86° at San Fernando, to between 70° and 80° in the south generally, to about 60° over central Europe and in most parts of these Islands, and to 50° at St. Petersburg.

Wind at 8 a.m. showing a vast anticyclonic circulation over the north-western countries and an extensive cyclonic movement over Italy and the Mediterranean. Light or moderate in force generally, but a fresh or strong South-Easterly breeze prevailing on the west coast of Ireland, and a strong South-Westerly breeze at Bodö. Increasing to a fresh gale for a short time in the south-west of Ireland after midday, and freshening from various directions in some parts of southern Europe.

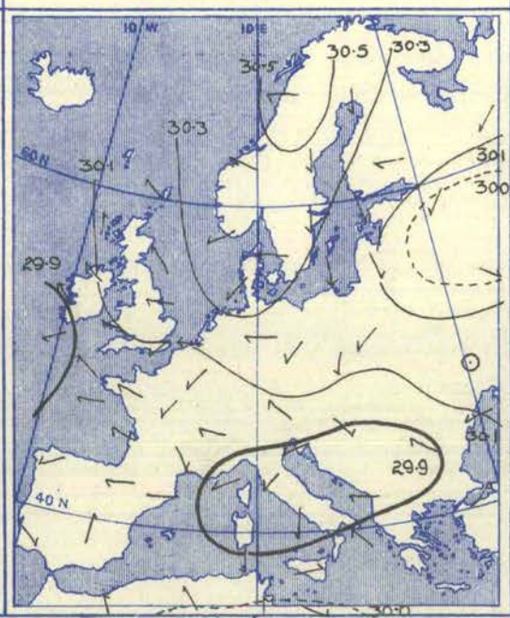
Barometer in morning highest, 30·3 ins. to 30·4 ins. and upwards in an anticyclone extending from the north of England across Scandinavia to the White Sea. Lowest, 29·9 ins. and less in a large shallow depression covering Italy and its neighbourhood. Other areas of low readings existing over central Russia and off the west of Ireland. Italian disturbance maintaining its position during day and that in the far west extending steadily over these Islands.

Friday, 22nd September, 1905.

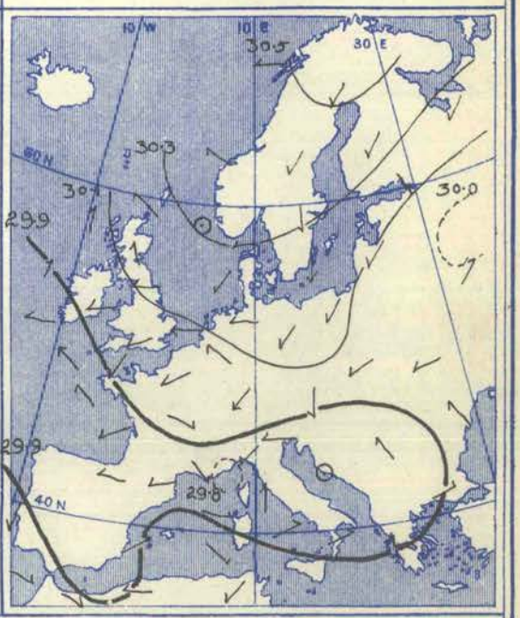
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very fine and bright over Scandinavia and in most parts of southern Europe, and also in the north of Scotland. Cloudy or overcast in most other regions, with rain in the west of Ireland, at Cape Gris Nez, Munich, and Moscow, and fog at Brussels, some French stations, and on the north-west coasts of the Spanish Peninsula. Rain falling later in Hungary, the north of Italy, and on the shores of the Adriatic, and also over the southern half of Russia, at Portland Bill, and Valencia—largest amount, 2·0 ins. at Trieste.

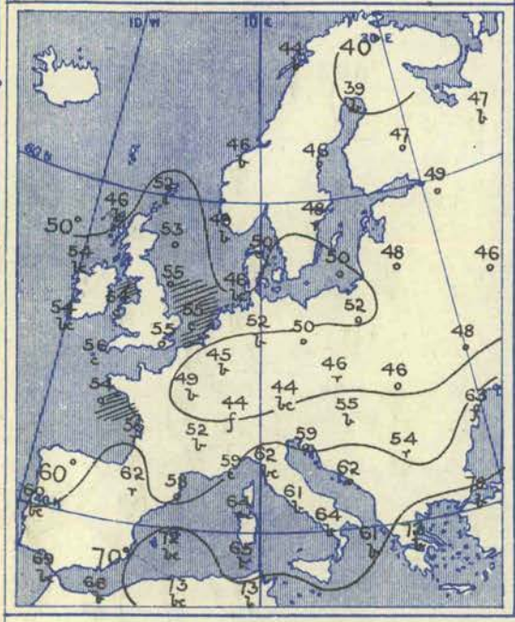
Temperature risen over the United Kingdom, changed irregularly or fallen in most other regions. Morning readings as high as 73° at Malta and Palma and 71° at Palermo and Constantinople. As low as 34° at Kharkov, 35° at Odessa, 36° at Uleaborg, 40° at Limoges, and below 50° over the major portion of the Continent. Exceeding 80° during afternoon in the extreme south, but only rising to 62° at Paris and remaining below 60° at several stations in our Islands and central Europe.

Wind at 8 a.m. showing an extensive anticyclonic circulation over Scandinavia and partial or complete cyclonic movements elsewhere. Light or moderate as a whole, but fresh or strong from the South-Eastward on our own west coasts and from North at Wisby. No change of importance later.

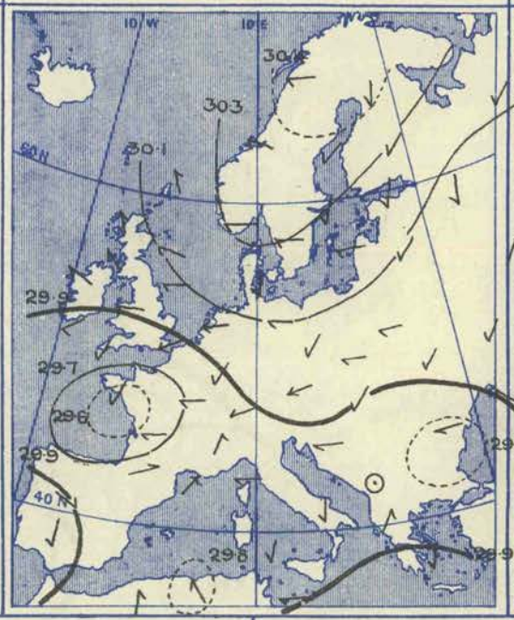
Barometer in morning ranging from above 30·5 ins. in the north of Norway to below 30·0 ins. in a depression over Russia, and to below 29·9 ins. in two other systems—one centred over Italy and the Adriatic, and the other off our south-west coasts. Latter system travelling south-eastwards during day. Pressure decreasing in most places—rather decidedly over the Bay of Biscay.

Saturday, 23rd September, 1905.

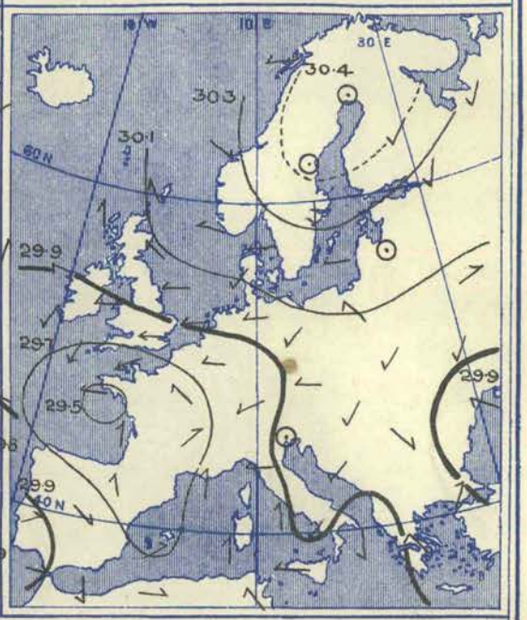
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Norway, over our own most western and north-western districts, and in most regions of southern Europe. Dull in most other places, with rain in the south-western departments of France and at several stations in central Europe. Heavy or considerable falls of rain later at almost all French localities and a thunderstorm at Perpignan.

Temperature risen over Russia, and at most French and Algerian stations, fallen or changed irregularly elsewhere. Morning readings highest, 73° at Algiers and La Calle, 72° at Palma and Athens, and 70° at Constantinople. Lowest, 39° at Haparanda, 42° at Warsaw, 44° at Karlstad, Belfort and Munich, and 46° at Moscow. Rising later to 93° at Tunis, 86° at Algiers, 82° at Athens and Palermo, and to above 70° in the south generally. Maxima below 60° in most northern regions, but 64° at Riga.

Wind at 8 a.m. showing a complete cyclonic circulation around the Bay of Biscay; Easterly current strong on the east coast of England and fresh on our southern coasts. A less important movement of cyclonic winds prevailing over the south-east of Europe and an extensive anticyclonic circulation over the northern countries. Little change during day.

Barometer in morning ranging from 30·4 ins. and upwards in an anticyclone having its central portion over the north of Scandinavia and Lapland to less than 29·6 ins. and less in a depression over the northern part of the Bay of Biscay. Nearly as low in another disturbance over Roumania and Bulgaria. Latter system travelling to the Black Sea by evening, and that over the Bay of Biscay beginning to move north-eastwards.

IV.—GENERAL NOTES, etc.

The general character of the weather was fair and dry over the northern regions of Europe, and unsettled in most of the southern. For the first time for many weeks widespread and copious rains were experienced over Italy and its neighbourhood and the sky was generally cloudy or overcast. The temperature underwent a decrease nearly everywhere and was usually low for the season. In the extreme south of our area, however, maxima of 80° and upwards were again somewhat common. The dominant current of wind was North-East or East, its force was limited to a light or moderate breeze in most places, but it occasionally increased to a fresh or strong breeze in the south-east and east of England, while quite at the end of the period it blew with the force of a moderate gale on the coast of Norfolk. The general distribution of barometrical pressure was mainly anticyclonic over our Islands and the northern regions of the Continent and cyclonic elsewhere. The low pressure systems were none of them deep and their rate of movement generally slow.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 224.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	36·0	+12·0	42	+ 14
STRATHPEFFER SPA	42·5	+16·1	50	+ 19
CRATHES	31·6	—	37	—
BALRUDDERY	34·5	—	41	—
EDINBURGH	18·5	- 4·5	22	- 5
COCKLE PARK	31·4	—	37	—
NEWCASTLE-on-TYNE	18·3	—	22	—
SALTBURN-by-the-SEA		—		—
YORK	30·9	+ 4·5	36	+ 5
SKEGNESS	48·4	—	57	—
CROMER	52·0	—	61	—
LOWESTOFT	44·0	—	52	—
DUNMOW	36·8	—	42	—
SHEFFIELD	19·8	—	23	—
WORKSOP	27·9	+ 1·9	33	+ 2
MARGATE	26·4	- 6·6	31	- 8
BROADSTAIRS		—		—
RAMSGATE	28·6	—	34	—
EASTBOURNE	22·5	- 15·3	27	- 18
BRIGHTON	25·4	- 11·9	30	- 14
WORTHING	31·6	—	37	—
BOGNOR	31·4	—	37	—
VENTNOR HOSPITAL	26·7	- 12·3	31	- 15
BOURNEMOUTH	35·9	—	42	—
MARLBOROUGH	26·3	- 3·0	31	- 4
SOUTHPORT	26·7	—	31	—
RHYL	37·5	—	44	—
ABERDOVEY	40·2	—	47	—
TENBY	48·4	+ 14·4	57	+ 17
TORQUAY	39·0	+ 3·5	46	+ 4
NEWQUAY				
GUERNSEY	33·1	- 5·7	39	- 7

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration.	Difference from the Mean for the Week.
No. 31, page 182	Scarborough M	—	—	68·1	—	60·8	+ 2·2	132	—	—	0·43	- 0·18	—	—	—	—
,, 31, ,, 182	Hillington M	—	—	—	52·4	61·1	+ 1·0	134	—	—	—	—	—	—	—	—
,, 32, ,, 188	Scarborough M	—	—	—	—	—	—	—	—	—	0·28	- 0·34	—	—	—	—
,, 32, ,, 188	Aspatria	—	—	—	49·7	55·7	- 1·6	96	—	—	—	—	—	—	—	—
,, 33, ,, 194	Scarborough M	—	—	—	52·9	58·9	+ 0·5	118	—	—	0·61	+ 0·01	50·1	—	49	—
,, 33, ,, 194	Shaftesbury M	—	50	—	53·5	59·9	+ 0·2	125	—	—	—	—	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* } No 39. THIRTY-NINTH WEEK, ENDING SATURDAY, SEPTEMBER 30TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 230.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	61	33	54·0	43·0	48·2	1 below	43	− 8	0	−4	1802	+ 39	476	− 90
	1. SCOTLAND, EAST	61	36	54·7	43·9	49·0	1 below	49	− 9	0	−5	2095	0	505	−109
	2. ENGLAND, N.E.	63	37	56·0	47·9	51·8	1 below	69	+ 3	0	−2	2505	+222	374	−127
	3. ENGLAND, EAST	64	39	59·0	49·8	54·2	0 (average)	85	+10	0	−3	2849	+214	349	−198
	4. MIDLAND COUNTIES	63	34	56·8	44·8	50·6	2 below	60	− 8	0	−4	2657	+ 54	394	−164
	5. ENGLAND, SOUTH	64	43	58·2	48·7	53·2	2 below	78	− 9	0	−2	2849	− 25	268	−138
Principal Grazing Districts.	6. SCOTLAND, WEST	65	39	57·6	44·7	50·8	0 (average)	62	− 2	0	−3	2291	+ 75	313	−116
	7. ENGLAND, N.W.	61	34	56·3	45·4	50·6	3 below	60	−12	0	−2	2479	+ 51	273	−134
	8. ENGLAND, S.W.	63	31	58·5	45·9	51·9	2 below	69	− 9	0	−1	2685	+ 5	222	− 87
	9. IRELAND, NORTH	62	32	56·9	45·3	50·8	1 below	62	− 1	0	−2	2362	+ 19	271	− 84
	10. IRELAND SOUTH	65	34	58·3	45·9	51·8	2 below	69	− 3	0	−2	2773	+118	166	− 95
	— CHANNEL ISLANDS	62	50	58·9	52·6	55·6	2 below	95	− 3	0	0	3145	+ 83	55	− 65

Rainfall.

Bright Sunshine.

	DISTRICTS. (See p. 230.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	4	6 less	203	+39	35·9	+ 4·8	19	− 3	23	− 4	1019	+ 33	28	+ 1
	1. SCOTLAND, EAST	6	9	2 more	157	+14	18·7	− 3·7	14	− 8	17	−10	1182	+ 22	32	+ 1
	2. ENGLAND, N.E.	6	8	2 more	119	−11	13·2	− 4·6	19	− 6	23	− 7	1312	+ 70	36	+ 2
	3. ENGLAND, EAST	5	13	7 more	122	− 8	15·1	− 2·2	22	− 9	27	−11	1435	+ 56	40	+ 2
	4. MIDLAND COUNTIES	4	5	2 less	128	+ 3	16·3	− 3·6	14	−13	17	−16	1238	+ 18	34	+ 1
	5. ENGLAND, SOUTH	4	6	1 less	125	+ 2	18·7	− 0·8	14	−17	17	−21	1379	− 9	39	0
Principal Grazing Districts.	6. SCOTLAND, WEST	3	2	9 less	153	+ 5	32·7	− 2·1	37	+14	45	+17	1300	+ 99	36	+ 3
	7. ENGLAND, N.W.	4	2	7 less	143	+ 4	21·8	− 2·4	21	− 2	26	− 3	1290	+170	36	+ 5
	8. ENGLAND, S.W.	2	1	8 less	139	+ 1	23·2	− 3·1	26	− 4	31	− 5	1316	− 85	37	− 2
	9. IRELAND, NORTH	2	1	7 less	173	+ 5	25·3	− 0·6	26	+ 2	31	+ 2	1233	+149	34	+ 4
	10. IRELAND, SOUTH	3	2	6 less	160	+10	25·7	− 2·9	29	0	36	0	1190	− 45	33	− 1
	— CHANNEL ISLANDS	5	10	3 more	155	+14	20·0	− 1·8	24	−12	29	−15	1496	−141	42	− 4

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was generally fair in all the "grazing districts" and very cloudy or dull, with showers or intervals of heavy rain, in the "wheat producing districts," the Channel Islands, and Scotland N. Over the eastern counties of England and on the coast of Thanet the rain was very heavy during the earlier part of the period. On Friday thunderstorms were experienced at some stations in the south of England.

Temperature was below the mean as a whole, but just equal to it in England E. and Scotland W.; in England N.W. the defect amounted to 3°. The highest of the maxima, which were recorded on no uniform date, ranged from 65° in Scotland W. and Ireland S. and 64° in England S. and E. to 61° in Scotland N. and E. and in England N.W. On most days the maxima were below 60° over the greater part of the Kingdom. The lowest of the minima were, as a general rule, registered during the earlier half of the week, and varied from 31° in England S.W. (at Llangammarch Wells) and 32° in Ireland N. to 43° in England S., and to 50° in the Channel Islands. Regarded as a whole the nights were rather mild for the time of year.

Rainfall was much more than the mean in England E., and rather more in England N.E., Scotland E., and the Channel Islands. In all the remaining districts it was less. Measurements of about an inch in twenty-four hours were common on the 24th or 25th at stations in the north-east and east of England. On the former date 1·32 in. fell at Geldeston, and on the latter, 1·04 in. at Rauceby, 1·08 in. at Hillington, and 1·00 in. at Cambridge, while at East Dereham the total for the two days was 1·57 in. At Margate on the 27th 1·75 inch fell between 7 p.m. and midnight.

Bright Sunshine was deficient generally, but exceeded the normal in Scotland W. and Ireland N., and equalled it in Ireland S. The percentage of the possible duration ranged from 45 in Scotland W. and 36 in Ireland S. to 17 in the Midland Counties, England S., and Scotland E.

Barometer and Wind. The centres of the chief cyclonic disturbances that affected these Islands lay over France; the first, after moving south-eastwards to the Bay of Biscay at the end of the preceding week, changed its course and reached a position over Brittany at the commencement of this period, the depression subsequently travelling slowly to the Netherlands and North Germany. The winds over our Islands were consequently Easterly to Northerly; they had little force except in the south and south-east, where they blew a strong breeze or moderate gale. The other depression reached Brittany by Friday morning after following an almost identical course, and subsequently dispersed over the north-east of France, its progress being again accompanied by strong Easterly and North-Easterly winds on our southern coasts. The barometer rose briskly in its rear and pressure became highest to the north-westward of these Islands instead of over Scandinavia. As the wind backed to the northward it blew a moderate gale on some parts of our western and north-western coasts. On the 30th, when a deep depression travelled south-eastward across Scandinavia, a strong gale from the North-Westward was experienced over the North Sea.

4103 Wy. & S. Ltd.
370 9 | 05.

II.—DATA from which the SUMMARY on page 229 has been calculated.

Districts. Sept. 24-30, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head	55	39	52·4	45·3	48·7	0·0	47	0	2	0·20	− 0·67	*	*	*	*
	Stornoway	61	33	56·1	42·1	48·8	− 0·5	48	0	5	0·28	− 0·77	32·1	+ 9·1	40	+ 11
	Wick	59	40	54·4	44·9	49·4	− 0·4	52	0	6	0·77	+ 0·11	*	*	*	*
	Lairg Ⓢ	61	34	54·5	40·3	47·1	− 1·2	43	5	7	0·56	− 0·21	*	*	*	*
	Glencarron Ⓢ	56	35	52·6	41·8	46·9	− 2·2	35	1	6	0·67	− 1·21	*	*	*	*
	Fort Augustus Ⓢ	56	38	54·0	43·5	48·5	− 1·8	46	0	5	0·15	− 0·79	11·6	− 5·1	14	− 6
1. SCOTLAND, E.	Nairn	58	39	54·6	43·1	48·6	− 2·0	46	0	7	0·54	− 0·03	*	*	*	*
	Aberdeen	59	42	54·7	47·1	50·7	− 0·3	61	0	6	1·26	+ 0·59	16·0	− 10·4	20	− 13
	Braemar Ⓢ	54	37	50·3	41·5	45·7	− 1·1	28	1	7	0·66	− 0·15	*	*	*	*
	Clathick Ⓢ	60	36	57·8	42·2	49·6	− 0·6	53	0	4	0·21	− 0·64	*	*	*	*
	Leith	61	42	57·3	46·6	51·7	− 0·4	68	0	5	0·79	+ 0·32	*	*	*	*
	Marchmont Ⓢ	55	36	53·4	42·7	47·8	− 1·7	41	0	6	1·69	+ 0·95	15·2	− 8·4	19	− 10
2. ENGLAND, N.E	Alnwick Castle	59	42	55·6	46·8	51·0	+ 0·1	63	0	6	0·78	+ 0·11	*	*	*	*
	Durham	56	40	53·4	46·7	49·9	− 1·4	55	0	6	0·77	+ 0·20	21·1	− 3·5	26	− 4
	Shields	58	41	54·9	47·6	51·1	− 0·5	64	0	6	0·49	− 0·05	*	*	*	*
	Scarborough Ⓜ	60	45	56·3	50·1	53·1	+ 0·6	78	0	5	0·22	− 0·44	16·5	—	20	—
	Spurn Head	59	49	58·0	51·4	54·5	+ 0·7	88	0	5	0·35	− 0·11	*	*	*	*
	Lincoln	61	41	56·7	47·3	51·8	− 1·3	69	0	5	0·84	+ 0·31	*	*	*	*
	Fulbeck (Lincolnshire)	63	37	57·0	45·6	51·0	− 1·4	63	0	6	1·83	+ 1·33	20·3	—	25	—
3. ENGLAND, E.	Hillington Ⓜ	63	39	58·8	47·1	52·7	− 0·4	75	0	5	2·25	+ 1·62	26·0	− 1·9	32	− 2
	Yarmouth	62	51	59·0	52·3	55·5	+ 1·4	95	0	5	1·44	+ 0·80	*	*	*	*
	Geldeston	63	41	59·9	47·9	53·6	− 0·4	81	0	4	1·39	+ 0·83	23·6	− 8·7	29	− 11
	Cambridge	64	46	59·3	48·0	53·4	− 0·4	80	0	5	1·71	+ 1·21	19·5	− 11·0	24	− 13
	Felixstowe	63	48	59·5	53·5	56·4	+ 2·9	101	0	5	1·13	—	20·0	—	24	—
	Clacton-on-Sea	63	50	59·3	51·4	55·2	+ 0·9	92	0	4	0·63	—	19·8	—	24	—
	Rothamsted	62	44	56·8	47·4	51·9	− 0·5	69	0	6	0·83	+ 0·20	14·3	− 15·7	17	− 19
	Shoeburyness	63	47	59·7	50·3	54·8	− 0·2	90	0	4	0·87	+ 0·38	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	58	41	55·0	45·7	50·1	− 1·0	57	0	6	0·73	+ 0·03	21·1	—	26	—
	Bawtry (Hesley Hall)	61	43	57·9	46·1	51·7	− 0·7	68	0	5	0·16	− 0·39	*	*	*	*
	Nottingham	60	34	56·7	45·0	50·6	− 2·4	60	0	6	0·74	+ 0·16	16·3	—	20	—
	Colly Weston (Stamford)	61	37	57·1	45·3	50·9	− 2·2	62	0	7	1·64	+ 1·07	*	*	*	*
	Cheadle Ⓜ	61	35	55·9	43·9	49·6	− 1·6	53	0	3	0·13	− 0·61	*	*	*	*
	Birmingham (Edgbaston)	58	40	56·0	44·8	50·1	− 2·3	57	0	3	0·34	− 0·26	5·0	—	6	—
	Shrewsbury	62	35	58·3	42·0	49·8	− 3·0	55	0	2	0·05	—	*	*	*	*
	Hereford Ⓜ	59	40	56·7	43·9	50·0	− 2·8	56	0	3	0·15	− 0·47	*	*	*	*
	Cirencester	61	40	57·1	44·7	50·6	− 1·6	60	0	2	0·04	− 0·63	15·8	− 12·8	19	− 16
	Oxford	63	44	57·6	47·0	52·1	− 1·3	71	0	5	0·63	+ 0·03	15·3	− 14·6	19	− 18
	Westminster	64	49	59·0	49·9	54·2	− 0·3	85	0	6	0·77	—	10·9	− 11·4	13	− 14
5. ENGLAND, S.	London (Brixton)	63	? 47	58·1	49·1	53·4	− 1·5	80	0	5	0·59	+ 0·04	10·2‡	− 15·1‡	12‡	− 19‡
	Wisley (Surrey)	61	43	57·2	48·1	52·4	− 4·0	73	0	6	1·24	—	10·7	—	13	—
	Swarraton (Alresford) Ⓜ	60	45	56·9	46·8	51·6	− 0·7	67	0	4	0·91	+ 0·20	*	*	*	*
	Tunbridge Wells Ⓜ	61	45	57·5	48·4	52·7	− 2·9	75	0	4	0·52	—	11·4	—	14	—
	Dungeness	64	51	59·7	52·6	56·0	+ 0·2	98	0	6	0·56	− 0·08	17·3	—	21	—
	Hastings (St. Leonards)	64	44	59·6	50·2	54·7	− 0·9	89	0	5	0·64	− 0·08	19·7	− 15·3	24	− 19
	Southampton	62	47	58·9	48·0	53·2	− 1·9	78	0	4	0·52	− 0·18	10·7	− 21·9	13	− 27
	Portland Bill	62	47	60·3	48·9	54·3	− 1·0	86	0	4	0·35	—	*	*	*	*
	Shaftesbury Ⓜ	59	45	55·8	45·9	50·6	− 2·0	60	0	2	0·13	− 0·67	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	65	40	59·5	44·5	51·6	+ 0·3	67	0	2	0·22	− 1·44	*	*	*	*
	Glasgow	58	40	55·8	46·2	50·8	+ 0·4	62	0	2	0·07	− 0·79	28·0	+ 8·0	34	+ 10
	Cally Ⓢ	61	39	58·6	42·1	50·0	− 0·7	56	0	4	0·39	− 0·65	*	*	*	*
	Aspatria	58	40	56·2	43·5	49·6	− 2·2	53	0	3	0·25	—	32·0	—	39	—
	Douglas (Isle of Man)	59	43	57·9	47·1	52·2	+ 0·4	71	0	2	0·07	− 0·83	49·8	+ 20·4	61	+ 25
7. ENGLAND, N.W.	Newton Rigg	57	41	54·6	44·0	49·1	− 1·5	50	0	5	0·46	—	14·8	—	18	—
	Stonyhurst	57	45	54·7	45·6	49·9	− 1·7	55	0	4	0·15	− 1·00	21·7	− 3·8	27	− 5
	Blackpool Ⓜ	61	40	57·4	43·7	50·2	− 2·8	57	0	4	0·30	− 0·57	32·0	+ 6·9	39	+ 8
	Manchester (Prestwich)	60	40	56·1	43·9	49·7	− 2·3	54	0	3	0·14	− 0·76	18·6	—	23	—
	Liverpool Obsy. (Bidston)	59	40	56·4	46·1	51·0	− 2·5	63	0	3	0·14	− 0·60	17·8	—	22	—
	Chester (Hawarden Bridge)	59	35	57·6	44·3	50·6	− 3·4	60	0	2	0·14	—	*	*	*	*
	Llandudno Ⓜ	58	43	56·8	49·1	52·8	− 1·7	76	0	2	0·12	− 0·64	16·1	− 9·1	20	− 11
	Holyhead	57	45	56·1	50·0	52·9	− 1·3	76	0	4	0·13	− 0·67	*	*	*	*
	Bettws-y-Coed	58	34	56·7	41·6	48·8	− 5·3	49	1	7	0·35	—	15·0	—	18	—
8. ENGLAND, S.W.	Llangammarch Wells	58	31	56·1	37·8	46·5	− 4·3	49	12	3	0·06	—	—	—	—	—
	Pembroke	60	45	58·9	48·0	53·2	− 1·7	78	0	1	0·01	− 0·81	32·4	+ 2·1	40	+ 3
	Cardiff	61	39	58·7	44·5	51·3	− 2·9	65	0	1	0·06	—	*	*	*	*
	Clifton	62	44	57·3	47·1	52·0	− 1·7	70	0	1	0·04	− 0·76	*	*	*	*
	Bath	63	43	58·9	46·1	52·2	− 1·8	71	0	1	0·07	− 0·64	16·7	—	20	—
	Arlington (N. Devon)	59	41	57·7	44·7	50·9	− 2·2	62	0	3	0·25	− 0·98	*	*	*	*
	Cullompton Ⓜ	61	38	59·5	45·3	52·1	− 1·6	71	0	3	0·11	− 0·67	18·5	− 10·7	23	− 13
	Falmouth	61	48	58·6	50·4	54·3	− 0·8	86	0	2	0·15	− 0·89	27·6	− 6·1	34	− 7
	Plymouth	62	43	60·7	49·0	54·6	− 0·1	88	0	2	0·04	− 0·77	26·7	− 5·5	33	− 7
9. IRELAND, N.	Malin Head	60	44	56·6	48·6	52·4	− 0·3	73	0	2	0·10	− 0·62	*	*	*	*
	Edenfel (Omagh)	60	32	57·9	41·6	49·4	− 0·7	53	1	3	0·15	− 0·67	*	*	*	*
	Blacksod Point	61	40	56·1	48·3	52·0	− 1·6	70	0	5	0·24	− 0·77	*	*	*	*
	Markree Castle	62	32	58·1	41·6	49·5	− 1·7	54	1	1	0·15	− 0·75	24·1	+ 1·0	29	+ 1
	Armagh	60	34	57·1	42·3	49·3	− 1·7	51	0	1	0·08	− 0·57	27·1	+ 2·4	33	+ 3
	Donaghadee	58	44	55·4	49·1	52·1	− 0·2	71	0	1	0·05	− 0·61	*	*	*	*
10. IRELAND, S.	Dublin	60	39	57·6	46·8	51·9	− 1·5	69	0	5	0·54	− 0·02	29·4	− 1·1	36	− 1
	Birr Castle	60	34	57·1	41·3	48·8	− 3·1	51	2	2	0·14	− 0·53	30·5	+ 3·1	37	+ 4
	Kilkenny	60	35	57·9	44·7	51·0	− 1·6	63	0	1	0·02	− 0·62	*	*	*	*
	Waterford	63	40	59·9	46·7	53·0	− 0·2	77	0	2	0·18	− 0·59	*	*	*	*
	Roche's Point	62	44	58·9	48·0	53·2	− 1·2	78	0	2	0·18	− 0·69	*	*	*	*
	Valencia	60	41	57·3	47·4	52·1	− 2·5	71	0	3	0·51	− 0·58	27·3	− 1·2	33	− 2
	Killarney	65	40	59·2	45·6	52·1	− 1·2	71	0	3	0·10	− 0·92	*	*	*	*
	Foynes	62	41	58·4	46·7	52·3	− 0·8	72	0	4	0·12	− 0·62	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	59	51	57·7	52·1	54·8	− 1·9	90	0	5	1·19	+ 0·42	34·5	− 0·3	42	0
	Jersey (St. Aubyn's)	62	50	60·0	53·0	56·3	− 1·6	100	0	5	0·88	+ 0·08	14·8	− 22·9	18	− 28

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

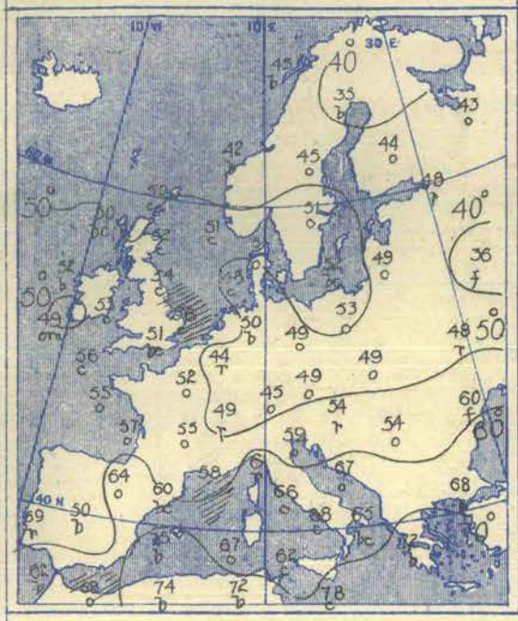
‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 24th September, 1905.

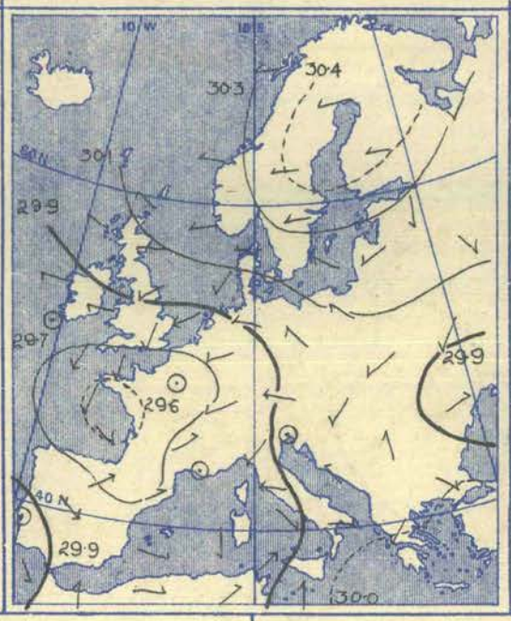
Temperature and Weather.

8 a.m.

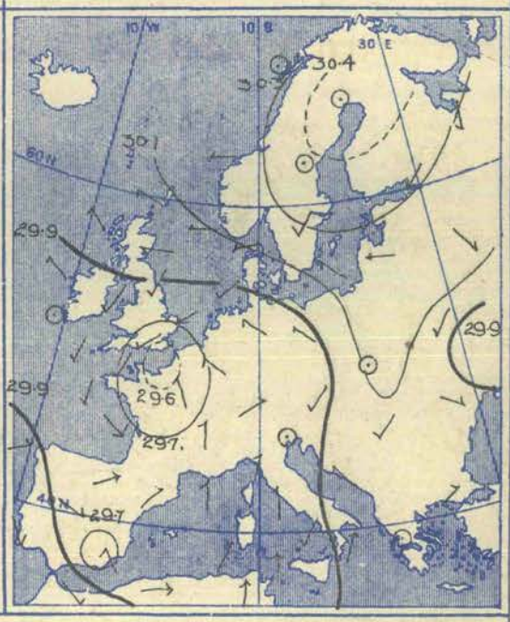


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. cloudy or overcast over most parts of central Europe, France, Denmark, and the north of Russia, with rain in places. Fair or fine in most parts of our Islands, the west of Norway, and southern Europe, but rainy at Florence and Lisbon. Heavy rain later on the coast of Norfolk and considerable falls at some French stations and in the south of Russia. A thunderstorm occurring at Besançon.

Temperature showing no decided change. Ranging in morning from 80° at Sfax and Palermo and above 70° at some other extreme southern stations, to below 50° over the greater part of our area, to 36° at Moscow, and to 34° at Uleaborg. Remaining below 60° all day in most parts of our Islands and Germany, but rising to a little above that point in Austria, and to above 80° at several stations in the far south.

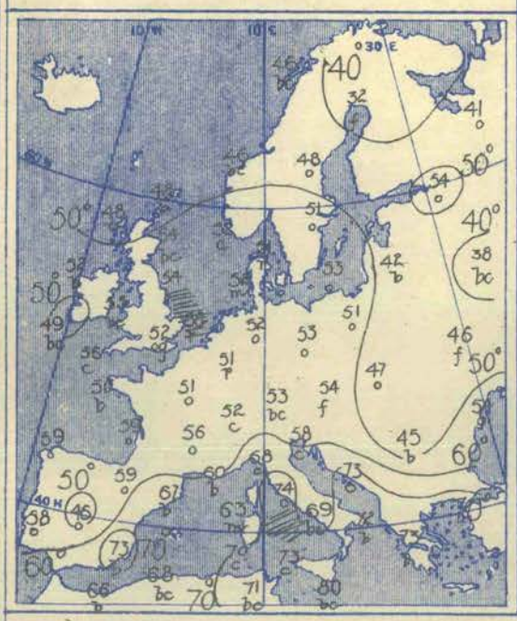
Wind in morning circulating cyclonically around the north-west of France; moderate in force generally, but strong to a slight gale on the south and south-east coast of England. Light anticyclonic airs prevailing over the north of Europe. Little change later of a general character; decreasing in force on our south-east coast.

Barometer at 8 a.m. ranging from above 30·4 ins. in an anticyclone having its centre over Lapland and the north of Scandinavia to below 29·9 ins. over the extreme south of Russia, and to less than 29·6 ins. in a depression with its minimum over Brittany. Latter system travelling north-eastwards later, but scarcely undergoing any modification in form or intensity.

Monday, 25th September, 1905.

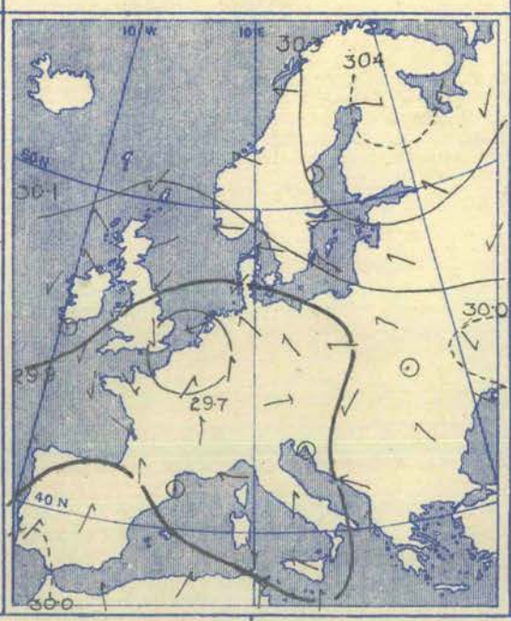
Temperature and Weather.

8 a.m.

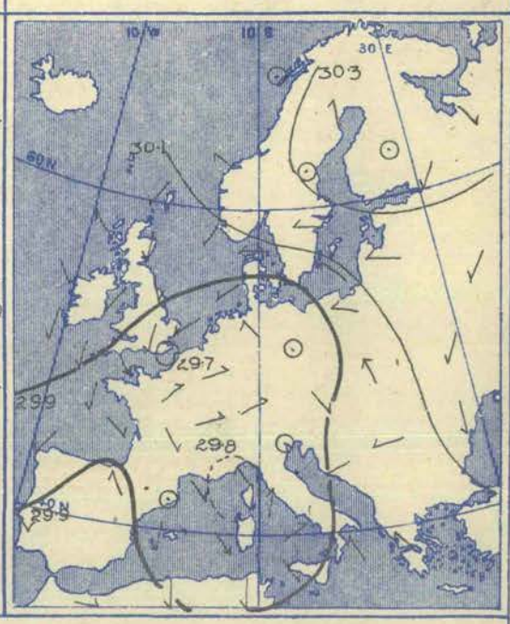


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. fair or fine over our northern and western districts, most parts of southern and eastern Europe, and in the north-west of Norway. Cloudy or overcast elsewhere, with rain on our south-east coasts, as well as at Aix-la-Chapelle, Cracow, Skagen, and Oporto. Rain later over the eastern half of Great Britain and in many Continental regions—largest amounts, 0·8 in. at Hamburg, 0·6 in. at Rome, and 0·4 in. at Biarritz and in London.

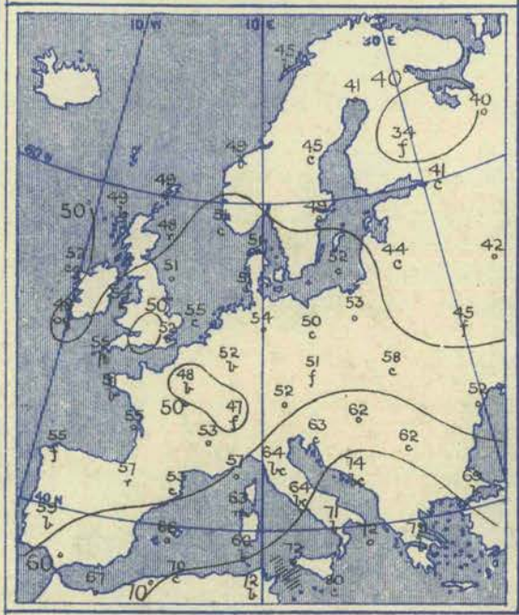
Temperature changed somewhat irregularly. Morning readings highest, 85° at Sfax, 80° at Malta, 73° at Athens, 72° at Brindisi. Lowest, (1) 32° at Haparanda, (2) 38° at Moscow, (3) 41° at Birr Castle, (4) 46° at Madrid. Remaining below 60° in nearly all parts of our Islands during day and at most German stations. Exceeding 70° over Italy and its vicinity and rising above 80° in places. Highest values, 86° at Malta, 90° at Patras, and 92° at Sfax.

Wind in morning showing an extensive cyclonic circulation over the western countries and an anticyclonic movement in the north. Scarcely any change during day.

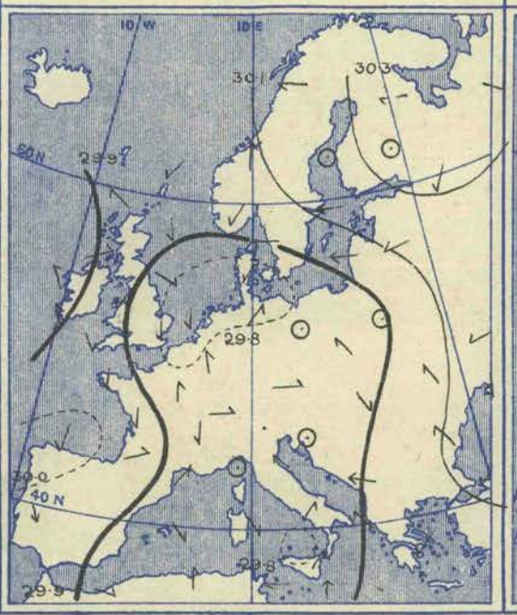
Barometer at 8 a.m. above 30·4 ins. over Finland and below 29·7 ins. in a depression centred near Dunkirk. Other disturbances existing over Little Russia and the northern extremity of the Adriatic. Main disturbance extending eastwards to Germany by evening, but pressure increasing somewhat at its centre. Very little modification taking place in the general distribution of pressure.

Tuesday, 26th September, 1905.

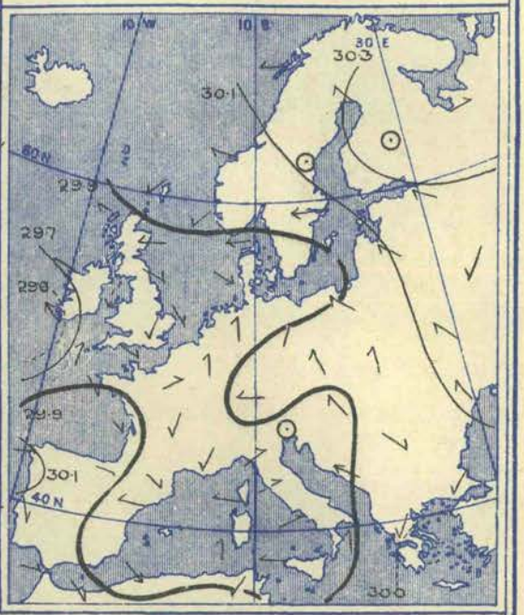
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. dull over our area generally, but clear or nearly so at some of our own north-western stations, in the west of Norway, and over the Mediterranean region. Rain falling in the north-east of Scotland and over the Skager Rack, as well as at Copenhagen and Biarritz. Heavy rain experienced later over the east of Scotland and in a few Continental localities and various amounts in many places.

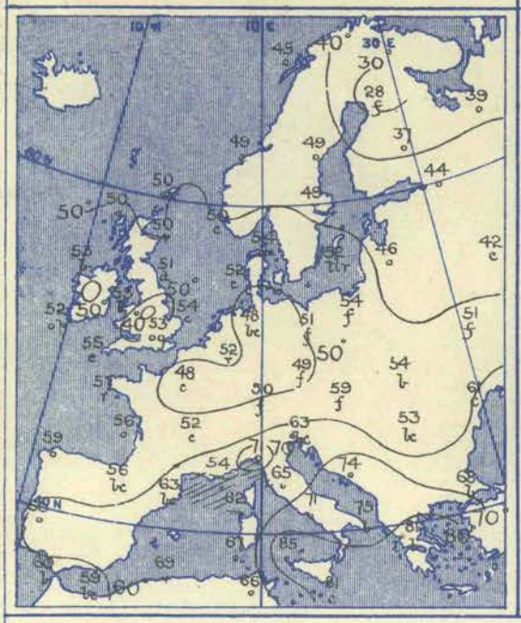
Temperature changed rather irregularly, but fallen in most places. Readings in morning above 70° at a few stations in the far south and as high as 80° at Malta. About 50° over the greater part of Europe, but below 40° in the centre of Ireland and over most of Finland. Lowest values, 34° at Kuopio and Uleaborg. Maxima during day below 60° in nearly all parts of our Islands and not much above it at several stations in France and central Europe. Thermometer rising to 91° at Patras and Palermo and above 80° at a few other southern stations.

Wind at 8 a.m. light from the Southward at our most western and north-western stations. Circulating cyclonically around the North Sea and anticyclonically over northern Europe. Fresh or strong in the south of Scandinavia. Increasing to a strong breeze or moderate gale on our most south-western coasts during evening or in night.

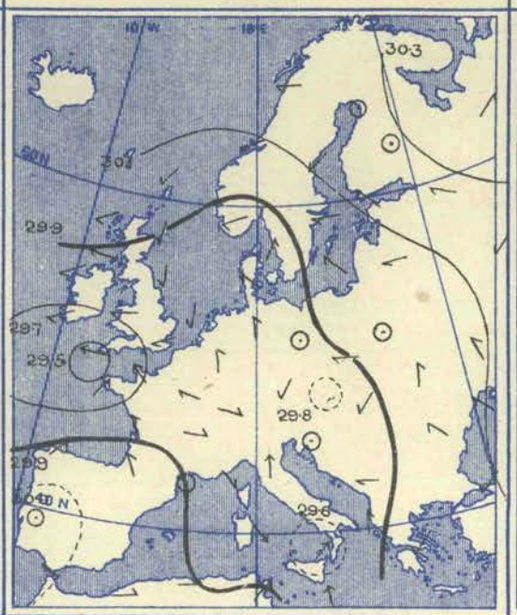
Barometer in morning highest, 30·3 ins. and upwards in the extreme north of Russia. Lowest, less than 29·8 ins. in a shallow depression covering the lower part of the North Sea and the surrounding regions, and about the same value off the west of Ireland. Pressure decreasing very briskly during day on our south-west coasts and gradients becoming rather steep in that region. No change of importance taking place elsewhere.

Wednesday, 27th September, 1905.

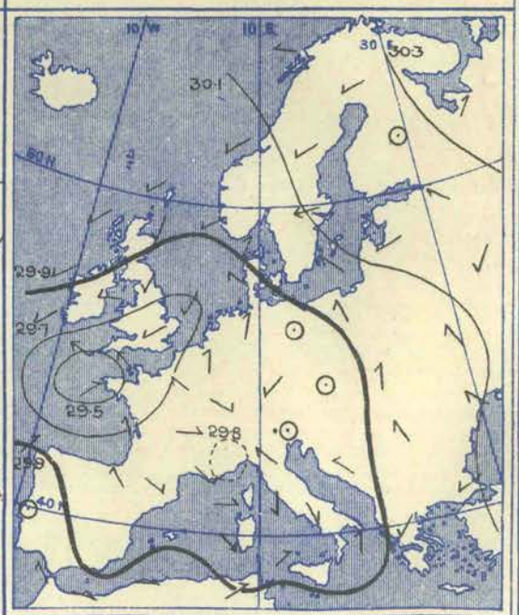
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or quite overcast in most regions, with much fog over central Europe and central England, and rain in the north-east of Great Britain and in Brittany, and also in the south of Scandinavia and at Frankfurt. Fine in most southern regions, but rainy at Algiers. Rain falling in most regions later—heaviest amounts, 1·26 in. at Berlin, with thunder and lightning, 1·02 in. at Trieste, 0·98 in. at Rochefort, 0·67 in. at Karlstad, and 0·42 in. at Leith.

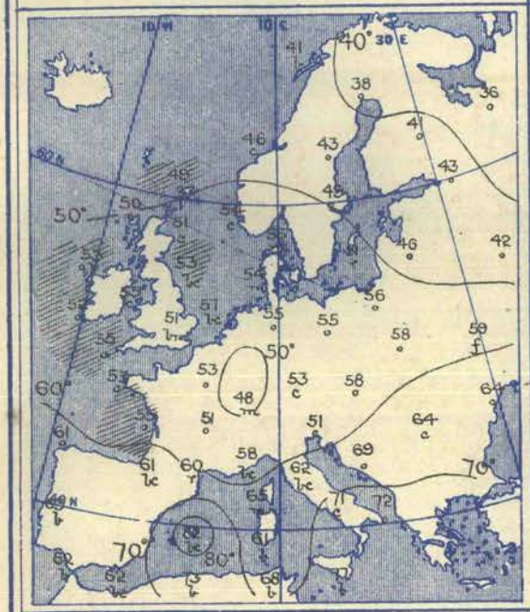
Temperature showing no general change. Morning readings highest, 85° at Palermo, 81° at Athens, 74° at Lesina, 71° at Leghorn. Lowest, (1) 28° at Uleaborg, (2) 38° at Nottingham, (3) 42° at Moscow. Maxima during day, 86° at Tunis and Brindisi, 81° at Malta, and about 80° at a few other southern stations. Remaining below 70° in France and Germany and below 60° in most parts of England.

Wind at 8 a.m. cyclonic except over the most northern parts of Europe. Chief circulation prevailing over the Bay of Biscay and our south-western coasts. Not many localities reporting a force higher than a fresh breeze. No change of importance later.

Barometer at 8 a.m. above 30·3 ins. in a large area of high pressure over Finland and northern Russia. Below 29·5 ins. in a depression centred off the Scilly Isles, and relatively low in several other minima. South-western disturbance travelling slowly south-eastwards later, but very little modification taking place in the general distribution of pressure.

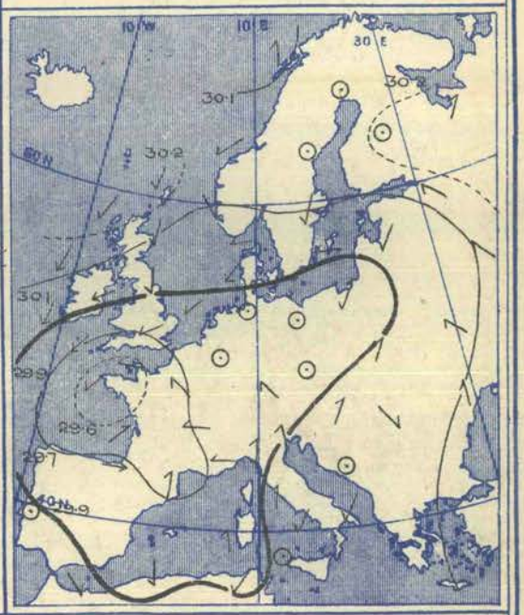
Thursday, 28th September, 1905.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.

Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine at most stations in the south of our area; cloudy or overcast as a whole, with rain at Portland Bill, Le Havre, Limoges, Perpignan, Breslau, and in the south of Scandinavia. Fog prevailing at the Helder and Frankfurt. More or less rain experienced later in most regions. Over an inch at some French stations, an inch at Turin, and 0·7 in. at Fanö.

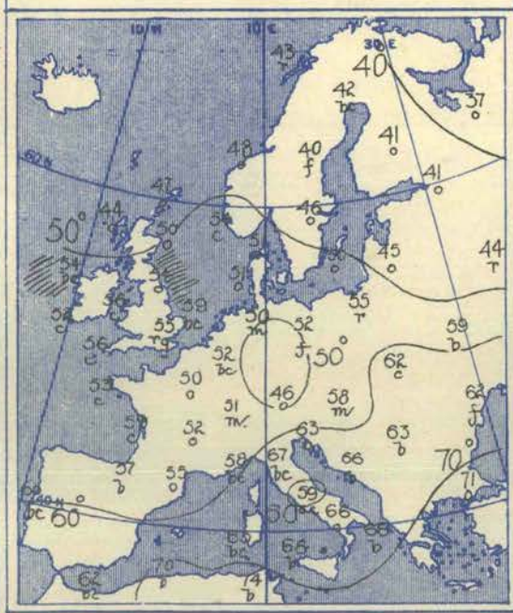
Temperature changed irregularly. Morning values ranging from 82° at Palma, 77° at Malta, and 72° at Brindisi, to below 55° over our area generally, and to below 40° at some stations in the extreme north. Lowest reading, 35° at Uleaborg. Rising later to 86° at Hermanstadt and La Calle, to above 70° over Italy, Austria-Hungary, and at a few stations in the extreme south of France. Maxima below 60° at several of our own stations and in North Germany.

Wind in morning showing a cyclonic circulation around the Bay of Biscay; moderate or fresh generally, but North-Easterly strong on our west and south-west coasts. Mainly anticyclonic and of little force in the north of our area and light and variable in the south. No important change later.

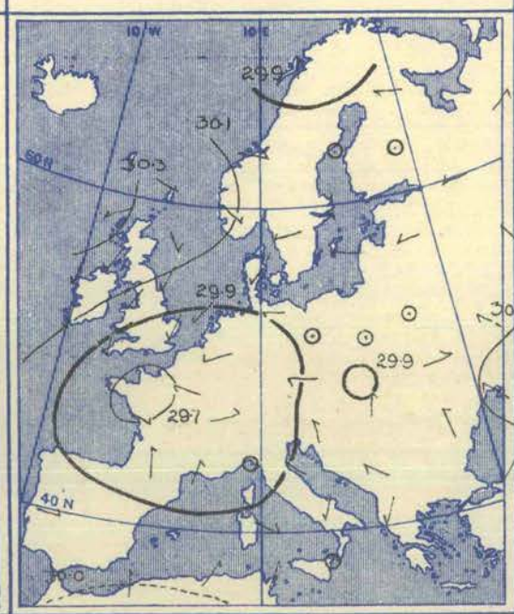
Barometer at 8 a.m. above 30·2 ins. in a large high pressure system over Russia and Finland and above 30·1 ins. in another off our north-west coasts. Below 29·5 ins. in a depression having its centre not far from Lorient. Latter moving very slowly in an east-north-easterly direction during day. Anticyclone in north-west extending further over our Islands and the Russian system receding eastwards.

Friday, 29th September, 1905.

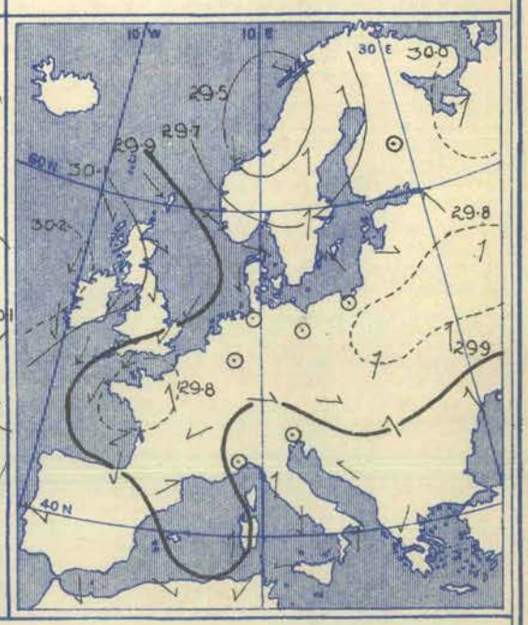
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine and bright in nearly all parts of southern Europe; cloudy or overcast elsewhere, with fog in the central regions, and rain at Moscow, Helsingfors, Uleaborg, Bodö, and at some stations in central and south-eastern England. Rain in varying amounts experienced later in most parts of our area and thunderstorms occurring at Paris and Nice. Largest rain measurements, 0·6 in. at Trieste and Hermanstadt, 1·2 in. at Christiansund, and 1·3 in. at Cape Gris Nez.

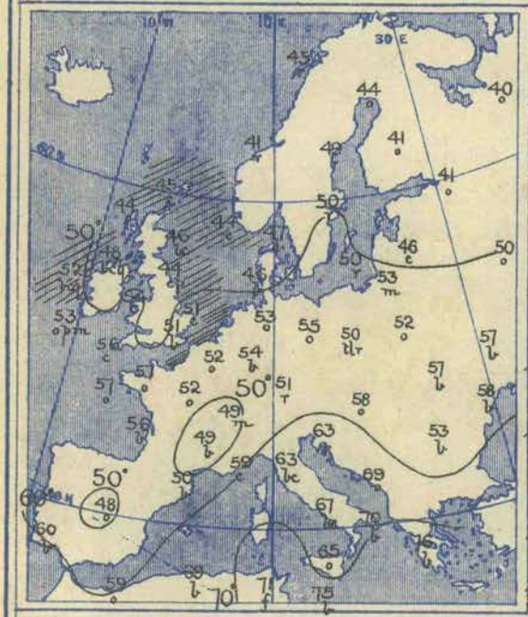
Temperature fallen at most Continental stations. Morning readings decreasing from 77° at Sfax to about 50° over the greater part of our area, and to 40° or below in the extreme north. Lowest value, 37° at Archangel. Rising later to a little above 60° at several English and German stations, to above 70° in Austria and most parts of southern Europe, and to above 80° in Greece, Algeria, and Tunisia.

Wind at 8 a.m. showing a partial cyclonic circulation over northern Scandinavia and a complete one around the north-west of France. North-Easterly current fresh or strong over the United Kingdom. Scandinavian circulation becoming more complete by evening and the North-North-Westerly wind increasing to a fresh gale on the south-west coast of Norway.

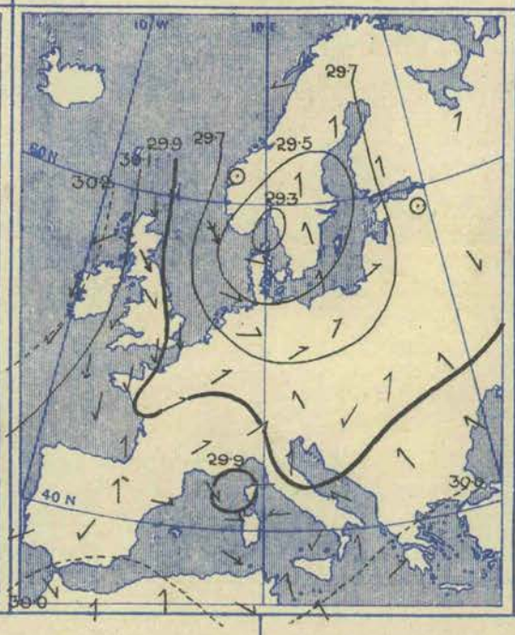
Barometer at 8 a.m. ranging from 30·3 ins. at Stornoway and above 30·1 ins. over the south of Russia to below 29·8 ins. over the north of Norway, and to less than 29·7 ins. in a depression centred over Brittany. Latter system becoming less deep during day. Pressure decreasing quickly over Scandinavia and briskly in Scotland and Denmark.

Saturday, 30th September, 1905.

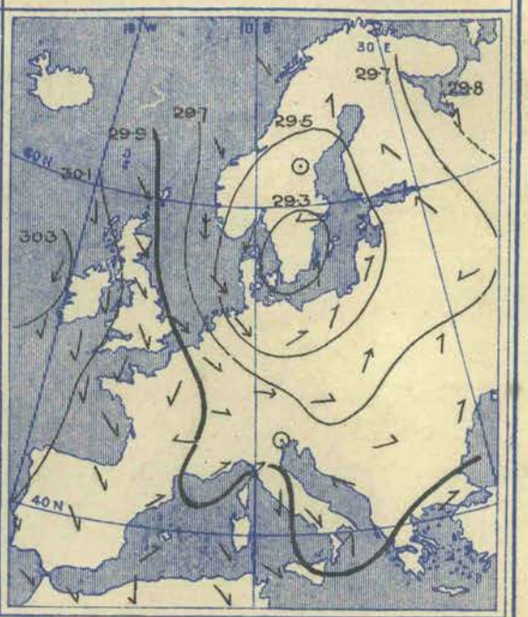
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in places, but very cloudy or overcast as a whole, with showers in various parts of our Islands and rain in Scandinavia, over Holland, at Lorient, Munich, and on the northern shores of the Adriatic, and a thunderstorm at Breslau. Moderate or large quantities of rain later in many parts of central Europe, Russia, and Italy, and thunderstorms at Cuxhaven and Biarritz.

Temperature fallen in most parts of the United Kingdom and Norway, changed rather irregularly elsewhere. Readings in morning as high as 77° at Sfax, 76° at Patras, and above 70° at a few other stations in the far south. Below 50° at Madrid, the greater part of our Islands and northern Europe, and below 40° in the north of Finland. Maxima below 60° over our Islands and Germany, 70° or above in the southern parts of Europe generally, and above 80° in Greece and inland Algeria.

Wind at 8 a.m. showing an extensive cyclonic circulation around Scandinavia, the Northerly wind blowing freshly or strongly on many parts of our coasts and a whole gale in the south-west of Norway. Light and rather variable airs prevailing over the Mediterranean region. Northerly and North-Westerly wind increasing to a gale over the North Sea later and to a strong breeze or moderate gale on the east coast of England.

Barometer in morning ranging from above 30·2 ins. in an anticyclone extending from the Atlantic to our western coasts to below 29·3 ins. in a large depression having its centre not far from Karstad. Latter system moving slowly south-eastwards during day and gradients increasing considerably over the North Sea, Holland, and North Germany. Barometer rising slightly in most parts of our Islands.

IV.—GENERAL NOTES, etc.

Barometric pressure was generally highest over the most northern regions of Europe and relatively high over the Spanish Peninsula, while depressions of moderate depth occupied various parts of the intervening region. The general direction of the wind over all the more northern countries was consequently North-Easterly or Easterly; very few gales were reported but fresh or strong breezes were common both over the United Kingdom and the nearer countries of the Continent. Over the south of Europe and the Mediterranean the wind blew from various points and was generally light or moderate in force. Cloudy or overcast skies were frequently experienced in all the central and northern regions, and rain fell occasionally in all localities, while over the Mediterranean the weather was mostly fair and dry.

Temperature was rather low for the time of year during the daytime, but the nights were often mild, and frost an exception even in the most northern regions. Maximum readings of 80° and upwards were more rare in the far south, while in the northern countries the thermometer did not often touch 60°.

At the close of the week a deep depression that was moving in a south-easterly direction over Scandinavia was accompanied by northerly gales over the North Sea and the adjacent portion of Scandinavia and by strong winds or moderate gales on the east coast of England.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 230.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	16·7	− 5·8	21	− 7
STRATHPEFFER SPA	14·9	−10·1	18	− 13
CRATHES	6·8	—	8	—
BALRUDDERY		—		—
EDINBURGH	16·5	− 5·1	20	− 6
COCKLE PARK	19·4	—	24	—
NEWCASTLE-on-TYNE	11·5	—	14	—
SALTBURN-by-the-SEA	13·0	—	16	—
YORK	16·1	− 8·4	20	− 10
SKEGNESS	28·0	—	34	—
CROMER	29·1	—	36	—
LOWESTOFT	29·1	—	36	—
DUNMOW	17·9	—	22	—
SHEFFIELD	9·1	—	11	—
WORKSOP	12·0	− 12·5	15	− 15
MARGATE	21·0	− 9·8	26	− 12
BROADSTAIRS		—		—
RAMSGATE	22·4	—	27	—
EASTBOURNE	17·8	− 17·2	22	− 21
BRIGHTON	17·3	− 17·3	21	− 21
WORTHING	13·2	—	16	—
BOGNOR	11·7	—	14	—
VENTNOR HOSPITAL	14·8	− 21·1	18	− 26
BOURNEMOUTH	16·5	—	20	—
MARLBOROUGH	8·6	− 18·8	11	− 23
SOUTHPORT	29·2	—	36	—
RHYL	21·0	—	26	—
ABERDOVEY	31·8	—	39	—
TENBY	37·1	+ 5·6	45	+ 7
TORQUAY	27·4	− 5·2	33	− 6
NEWQUAY	? 31·7	− 0·3	39	0
GUERNSEY	23·0	− 12·5	28	− 15

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 34, page 200	Scarborough	—	—	—	—	—	—	—	—	—	—	—	28·7	—	29	—
,, 34, ,, 200	Aspatria	66	47	62·0	49·3	55·3	− 1·0	93	—	—	—	—	—	—	—	—
,, 35, ,, 206	Valencia	—	—	—	—	—	—	—	—	—	1·52	+0·46	—	—	—	—
,, 36, ,, 216	Newquay	—	—	—	—	—	—	—	—	—	—	—	28·6	−10·2	31	−11

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No 40. FORTIETH WEEK, ENDING SATURDAY, OCTOBER 7TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 236.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	56	33	49·8	39·7	44·6	3 below	28	−15	6	+1	1830	+ 24	482	− 89
	1. SCOTLAND, EAST	63	33	51·3	39·8	45·4	3 below	33	−15	6	−1	2128	− 15	511	−110
	2. ENGLAND, N.E.	60	34	53·5	41·0	47·0	4 below	39	−15	3	0	2544	+207	377	−127
	3. ENGLAND, EAST	59	36	54·1	42·0	47·9	4 below	41	−21	0	−4	2890	+193	349	−202
	4. MIDLAND COUNTIES	62	33	54·4	41·0	47·5	3 below	43	−13	3	−3	2700	+ 41	397	−167
	5. ENGLAND, SOUTH	60	33	55·5	42·8	48·9	4 below	48	−24	0	−2	2897	− 49	268	−140
Principal Grazing Districts.	6. SCOTLAND, WEST	59	31	54·0	40·9	47·3	2 below	42	−11	3	−1	2333	+ 64	316	−117
	7. ENGLAND, N.W.	58	31	54·1	44·2	49·0	2 below	49	−11	0	−2	2528	+ 40	273	−136
	8. ENGLAND, S.W.	61	31	56·1	45·2	50·5	2 below	60	− 7	0	−2	2745	− 2	222	− 89
	9. IRELAND, NORTH	58	36	53·9	45·6	49·7	1 below	54	0	0	−3	2416	+ 19	271	− 87
	10. IRELAND SOUTH	60	33	56·1	45·7	50·8	1 below	62	0	0	−2	2835	+118	166	− 97
	— CHANNEL ISLANDS	63	40	57·9	49·8	53·7	2 below	82	− 6	0	0	3227	+ 77	55	− 65

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 236.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	16	5 more	209	+40	37·5	+ 5·4	15	− 5	19	− 7	1034	+ 28	28	+ 1
	1. SCOTLAND, EAST	6	8	1 more	163	+16	19·5	− 3·6	22	0	29	0	1205	+ 22	32	+ 1
	2. ENGLAND, N.E.	5	5	1 less	124	−10	13·7	− 4·7	26	+ 2	33	+ 3	1338	+ 74	36	+ 2
	3. ENGLAND, EAST	4	6	1 more	126	− 8	15·7	− 2·1	22	− 6	28	− 8	1457	+ 50	40	+ 1
	4. MIDLAND COUNTIES	5	5	1 less	133	+ 4	16·8	− 3·7	23	− 3	29	− 3	1261	+ 15	34	0
	5. ENGLAND, SOUTH	3	2	5 less	128	+ 2	18·9	− 1·4	24	− 6	30	− 8	1403	− 15	38	0
Principal Grazing Districts.	6. SCOTLAND, WEST	5	15	4 more	158	+ 6	34·2	− 1·7	22	− 2	28	− 2	1322	+ 97	36	+ 3
	7. ENGLAND, N.W.	5	13	4 more	148	+ 5	23·1	− 2·0	21	− 1	27	− 2	1311	+169	36	+ 5
	8. ENGLAND, S.W.	6	6	3 less	145	+ 3	23·8	− 3·4	20	− 8	26	−10	1336	− 93	37	− 3
	9. IRELAND, NORTH	6	10	2 more	179	+ 6	26·3	− 0·4	14	− 9	18	−11	1247	+141	34	+ 4
	10. IRELAND, SOUTH	4	3	5 less	164	+10	26·0	− 3·4	23	− 4	29	− 5	1213	− 49	33	− 1
	— CHANNEL ISLANDS	5	4	5 less	160	+15	20·4	− 2·2	24	− 8	31	−10	1520	−150	42	− 4

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather. The general character of the week was cloudy or dull, with rather frequent falls of rain, but in the south of England the greater part of the period was dry, and on Thursday and Friday the day was bright in nearly all places.

Temperature was below the mean, the deficit ranging from 1° in Ireland to 4° in England S., E. and N.E. The highest of the maxima were recorded on rather variable dates, but mostly during the earlier half of the week. They ranged from 63° in Scotland E. and the Channel Islands to 56° in Scotland N. During the greater part of the period the maxima were very low for the time of year. The absolute minima, recorded, as a rule, towards the end of the week, varied from 31° in Scotland W. and England N.W. and S.W. to 36° in England E., and to 40° in the Channel Islands. The minima were not, regarded as a whole, low for the time of year, but frost occurred in many parts of Great Britain on the nights of Monday and Friday.

Rainfall was more than the mean in Scotland, Ireland N., England E., and England N.W., less elsewhere.

Bright Sunshine exceeded the mean in England N.E. and equalled it in Scotland E., but in all other districts it was deficient. The percentage of the possible duration ranged from 33 in England N.E., 31 in the Channel Islands, and 30 in England S., to 19 in Scotland N., and to 18 in Ireland N.

Barometer and Wind. Barometric pressure was continuously highest either to the westward or south-westward of our Islands and lowest to the eastward of the North Sea. The winds and weather over this country were mainly influenced by large depresssions having their centres some distance to the eastward and by their small and ill-defined secondaries. The first of these primary systems lay over the Baltic as the week commenced, but the second only began to make its presence felt on Tuesday. On Wednesday morning its centre lay to the northward of the Shetlands, whence it moved slowly south-eastwards to the North Sea and subsequently eastwards to the Baltic. This disturbance was very deep and caused the wind to blow very strongly or with the force of a gale from West, veering to North-West or North, over all our coasts and over the North Sea. By the end of the week the gradients over these Islands had become slight and the winds light or moderate.

4121 370 Wy. & S. Ltd. 10 | 05.

II.—DATA from which the SUMMARY on page 235 has been calculated.

Districts. Oct. 1-7, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
O. SCOTLAND, N.	Sumburgh Head	51	37	48·1	39·9	43·9	− 3·4	22	6	4	1·21	+ 0·28	*	*	*	*
	Stornoway	53	38	50·1	41·0	45·4	− 2·4	28	3	7	1·25	+ 0·14	14·3	− 7·5	19	− 10
	Wick	53	33	50·0	38·1	43·9	− 4·5	30	11	6	0·92	+ 0·25	*	*	*	*
	Lairg Ⓢ												*	*	*	*
	Glencarron Ⓢ	52	35	48·7	39·3	43·9	− 3·5	25	8	7	3·35	+ 1·43	*	*	*	*
	Fort Augustus Ⓢ	56	34	52·1	40·0	45·9	− 2·4	36	6	6	1·47	+ 0·54	16·5	+ 1·0	21	+ 1
1. SCOTLAND, E.	Nairn	55	36	52·0	38·6	45·1	− 3·6	36	10	6	0·61	+ 0·05	*	*	*	*
	Aberdeen	51	38	49·3	41·1	45·1	− 4·1	25	3	6	0·99	+ 0·32	20·2	− 4·8	26	− 6
	Braemar Ⓢ	51	33	46·1	38·3	42·1	− 3·4	16	10	7	1·17	+ 0·33	*	*	*	*
	Clathick Ⓢ	59	36	54·2	40·0	46·9	− 1·9	43	6	6	0·72	− 0·17	*	*	*	*
	Leith	63	39	56·3	43·3	49·6	− 0·8	53	0	6	0·49	+ 0·02	*	*	*	*
	Marchmont Ⓢ	55	34	50·0	37·4	43·5	− 4·5	30	13	4	0·67	− 0·09	24·7	+ 2·6	32	+ 3
2. ENGLAND, N.E	Alnwick Castle	56	39	51·8	41·0	46·2	− 3·2	34	3	5	0·52	− 0·19	*	*	*	*
	Durham	57	36	52·4	40·3	46·2	− 3·4	37	5	3	0·30	− 0·33	25·8	+ 2·8	33	+ 4
	Shields	57	35	52·4	38·4	45·2	− 5·1	38	10	5	0·38	− 0·20	*	*	*	*
	Scarborough Ⓜ	60	41	56·1	43·9	49·8	− 1·0	55	0	6	0·80	+ 0·13	21·5	—	27	—
	Spurn Head	59	40	53·1	44·0	48·4	− 3·7	45	0	5	0·37	− 0·11	*	*	*	*
	Lincoln	57	35	54·4	39·9	46·9	− 4·6	43	6	4	0·63	+ 0·09	*	*	*	*
	Fulbeck (Lincolnshire)	58	34	54·1	39·2	46·4	− 3·9	43	8	4	0·35	− 0·19	29·6	—	38	—
3. ENGLAND, E.	Hillington Ⓜ	56	39	53·9	41·8	47·7	− 3·5	41	1	4	0·88	+ 0·24	18·7	− 7·3	24	− 9
	Yarmouth	57	41	52·6	43·6	48·0	− 4·2	42	0	7	1·40	+ 0·76	*	*	*	*
	Geldeston	58	40	54·1	42·1	47·9	− 3·9	41	0	6	1·40	+ 0·83	19·6	− 9·9	25	− 13
	Cambridge	59	38	54·9	41·2	47·9	− 3·9	45	2	3	0·38	− 0·14	25·2	− 2·6	32	− 3
	Felixstowe	58	39	54·5	42·3	48·2	− 3·7	43	0	3	0·49	—	27·3	—	35	—
	Clacton-on-Sea	57	37	54·1	41·4	47·6	− 5·3	42	2	2	0·24	—	26·2	—	33	—
	Rothamsted	56	36	53·5	40·8	47·0	− 3·6	40	3	3	0·22	− 0·44	24·1	− 4·5	30	− 6
	Shoeburyness	59	38	54·9	43·0	48·8	− 4·5	48	0	2	0·11	− 0·39	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	57	35	53·1	39·6	46·2	− 3·2	39	7	3	0·53	− 0·19	32·1	—	41	—
	Bawtry (Hesley Hall)	60	35	55·0	40·1	47·3	− 3·1	45	5	3	0·29	− 0·28	*	*	*	*
	Nottingham	59	38	55·3	41·6	48·3	− 2·8	46	1	5	0·80	+ 0·17	19·1	—	24	—
	Colly Weston (Stamford)	59	36	54·0	40·0	46·8	− 4·4	42	6	4	0·20	− 0·39	*	*	*	*
	Cheadle Ⓜ	55	33	51·7	39·3	45·3	− 4·2	34	8	6	1·26	+ 0·51	*	*	*	*
	Birmingham (Edgbaston)	56	37	53·1	42·3	47·5	− 3·1	39	0	6	0·45	− 0·18	14·8	—	19	—
	Shrewsbury	58	38	54·9	42·9	48·7	− 2·6	47	0	7	0·51	—	*	*	*	*
	Hereford Ⓜ	62	36	57·1	42·1	49·4	− 1·6	52	0	5	0·45	− 0·18	*	*	*	*
	Cirencester	58	35	55·1	40·9	47·8	− 2·5	45	3	6	0·35	− 0·35	21·7	− 4·8	28	− 6
	Oxford	59	37	55·1	41·4	48·1	− 3·5	45	2	5	0·34	− 0·29	25·0	− 2·1	32	− 3
	Westminster	57	39	55·4	42·9	49·0	− 3·6	49	0	3	0·09	—	18·6	− 1·2	24	− 2
5. ENGLAND, S.	London (Brixton)	58	37	56·1	42·3	49·0	− 3·8	49	0	2	0·13	− 0·44	18·9‡	− 3·4‡	24‡	− 4‡
	Wisley (Surrey)	57	35	55·3	41·2	48·0	− 6·6	45	2	2	0·17	—	25·5	—	32	—
	Swarraton (Alresford) Ⓜ	57	35	54·3	42·0	48·0	− 2·6	42	0	5	0·15	− 0·59	*	*	*	*
	Tunbridge Wells Ⓜ	56	34	53·5	40·5	46·8	− 7·0	40	4	4	0·18	—	22·8	—	29	—
	Dungeness	60	33	56·3	41·0	48·4	− 5·8	49	3	3	0·16	− 0·51	25·6	—	32	—
	Hastings (St. Leonards)	60	35	55·5	42·8	49·0	− 4·7	49	0	2	0·12	− 0·65	27·1	− 5·0	34	− 6
	Southampton	60	37	58·4	43·3	50·6	− 2·7	60	0	3	0·18	− 0·55	25·6	− 4·7	32	− 6
	Portland Bill	58	44	56·4	47·7	51·9	− 1·4	69	0	3	0·39	—	*	*	*	*
	Shaftesbury Ⓜ	56	37	54·0	42·7	48·2	− 2·4	43	0	5	0·30	− 0·53	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	56	39	52·8	43·0	47·8	− 1·8	41	0	7	2·30	+ 0·67	*	*	*	*
	Glasgow	55	36	52·5	40·5	46·3	− 2·7	36	4	4	1·03	+ 0·19	18·7	+ 0·3	24	0
	Cally Ⓢ	59	31	56·3	37·1	46·4	− 2·5	51	14	4	1·19	+ 0·15	*	*	*	*
	Aspatria	57	32	54·2	39·5	46·6	− 3·8	43	7	4	1·42	—	23·4	—	30	—
	Douglas (Isle of Man)	56	37	54·0	44·6	49·2	− 1·3	50	0	6	1·54	+ 0·58	23·3	− 3·7	30	− 5
7. ENGLAND, N.W.	Newton Rigg	56	31	52·9	38·8	45·6	− 3·2	39	9	3	1·18	—	21·3	—	27	—
	Stonyhurst	55	36	51·7	41·9	46·7	− 3·3	33	0	4	1·86	+ 0·72	22·9	− 0·4	29	− 1
	Blackpool Ⓜ	57	35	54·4	45·0	49·6	− 1·8	53	0	4	1·36	+ 0·45	26·2	+ 2·8	33	+ 4
	Manchester (Prestwich)	58	34	54·0	40·2	46·9	− 3·3	42	5	4	1·25	+ 0·35	22·2	—	28	—
	Liverpool Obsy. (Bidston)	56	42	54·0	46·0	49·9	− 2·0	55	0	6	0·68	− 0·08	22·6	—	29	—
	Chester (Hawarden Bridge)	57	42	54·9	46·4	50·5	− 1·5	60	0	7	0·90	—	*	*	*	*
	Llandudno Ⓜ	58	46	54·8	48·2	51·4	− 1·6	66	0	5	1·83	+ 1·00	16·5	− 6·7	21	− 9
	Holyhead	56	43	54·1	47·1	50·5	− 2·2	60	0	4	0·58	− 0·29	*	*	*	*
	Bettws-y-Coed	57	39	55·9	44·6	50·1	− 2·7	57	0	7	1·84	—	15·9	—	20	—
8. ENGLAND, S.W.	Llangammarch Wells	57	32	53·8	40·1	46·8	− 2·5	42	5	5	0·89	—	—	—	—	—
	Pembroke	58	45	55·9	48·4	52·0	− 1·5	70	0	7	0·34	− 0·52	20·6	− 7·0	26	− 9
	Cardiff	59	31	56·6	42·4	49·3	− 3·4	51	0	3	0·53	—	*	*	*	*
	Clifton	59	41	56·2	45·9	50·9	− 1·3	62	0	6	0·48	− 0·35	*	*	*	*
	Bath	59	36	57·0	44·1	50·4	− 1·8	59	0	6	0·48	− 0·24	18·1	—	23	—
	Arlington (N. Devon)	60	41	55·3	45·7	50·4	− 1·0	59	0	6	1·54	+ 0·24	*	*	*	*
	Cullompton Ⓜ	60	33	57·4	44·1	50·6	− 1·0	60	0	5	0·57	− 0·27	18·8	− 7·5	24	− 10
	Falmouth	57	43	55·6	49·0	52·2	− 1·7	71	0	6	0·36	− 0·73	21·6	− 9·0	27	− 11
	Plymouth	61	39	57·4	46·8	51·9	− 1·2	69	0	6	0·36	− 0·47	23·4	− 5·4	30	− 7
9. IRELAND, N.	Malin Head	54	43	52·7	47·0	49·8	− 1·5	55	9	5	1·00	+ 0·30	*	*	*	*
	Edenfel (Omagh)	55	40	53·1	43·9	48·4	− 0·2	45	0	7	0·90	+ 0·05	*	*	*	*
	Blacksod Point	56	43	54·7	47·7	51·1	− 1·2	64	0	7	1·12	+ 0·02	*	*	*	*
	Markree Castle	57	36	54·8	46·6	50·6	+ 0·9	60	0	6	1·56	+ 0·63	12·7	− 9·3	16	− 12
	Armagh	58	39	54·7	43·5	48·9	− 0·7	48	0	5	0·63	− 0·04	15·2	− 7·7	19	− 10
	Donaghadee	55	42	53·6	45·1	49·2	− 1·5	50	0	4	0·81	+ 0·14	*	*	*	*
10. IRELAND, S.	Dublin	59	38	56·3	44·9	50·4	− 1·5	59	0	6	0·65	+ 0·04	24·9	− 3·4	32	− 4
	Birr Castle	57	34	55·4	43·0	49·0	− 1·3	49	0	5	0·29	− 0·38	22·1	− 3·5	28	− 4
	Kilkenny	59	34	56·3	45·6	50·8	− 0·3	62	0	2	0·15	− 0·52	*	*	*	*
	Waterford	59	35	56·1	45·1	50·4	− 1·1	59	0	3	0·19	− 0·65	*	*	*	*
	Roche's Point	59	40	56·1	47·4	51·6	− 1·7	67	0	3	0·07	− 0·84	*	*	*	*
	Valencia	57	38	55·7	47·3	51·4	− 2·1	66	0	4	0·29	− 0·97	22·0	− 4·5	28	− 6
	Killarney	60	33	57·9	44·9	51·2	− 1·1	64	0	6	0·30	− 0·83	*	*	*	*
	Foynes	57	40	55·1	47·5	51·2	− 0·3	64	0	6	0·61	− 0·19	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	58	46	56·6	49·3	52·8	− 2·7	76	0	3	0·10	− 0·70	28·2	− 3·2	36	− 4
	Jersey (St. Aubyn's)	63	40	59·1	50·3	54·6	− 1·6	88	0	6	0·61	− 0·28	23·5	− 10·7	30	− 14

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

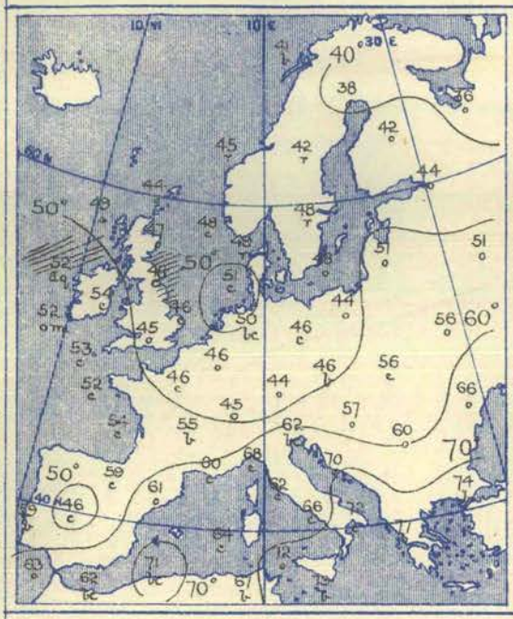
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 31 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

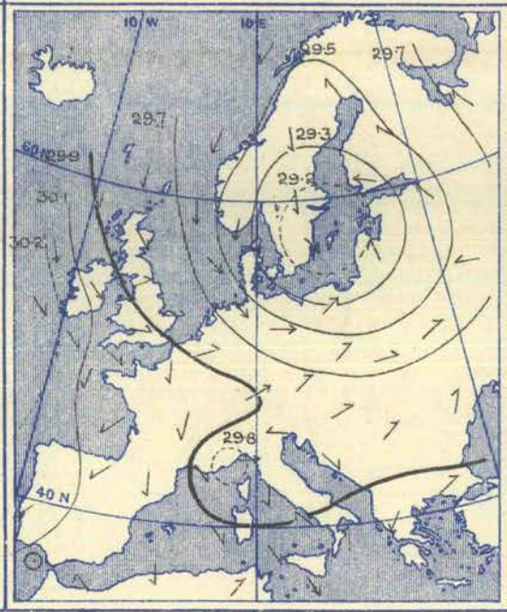
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 1st October, 1905.

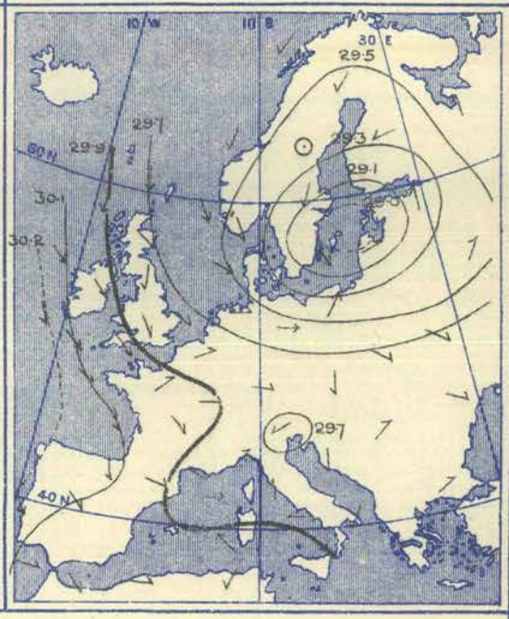
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over the Spanish Peninsula and many other regions in southern Europe; very unsettled and mostly dull elsewhere, with showers at some of our own stations and rain in various parts of Scandinavia and at Memel. Rain falling in most regions later—heavily in places—and a thunderstorm occurring at Biarritz.

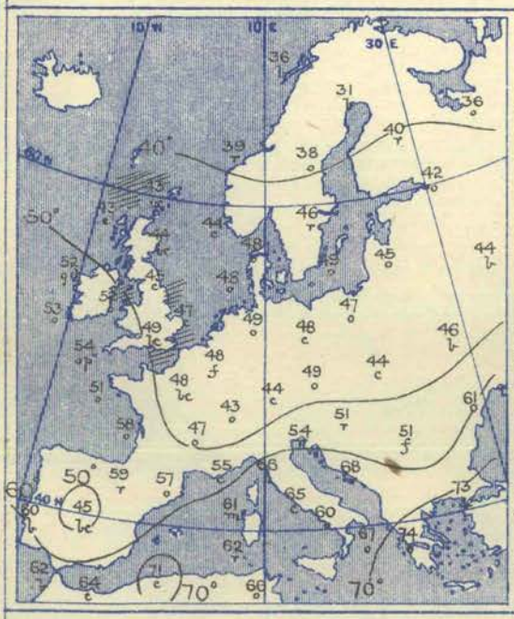
Temperature risen in the north of our Islands, over Norway and Denmark, and in the south of Russia, fallen in most other localities. Readings in morning above 70° in the south-east of Europe and as high as 77° at Patras. Below 50° over the greater part of our area, and as low as 36° at Archangel. Rising during day to 63° at Leith, to 70° and above in a few parts of central Europe and over the southern countries. Highest value, 86° at Patras.

Wind at 8 a.m. showing a vast cyclonic circulation around the upper part of the Baltic Northerly and North-Westerly currents strong over the North Sea, Denmark, and Holland, and fresh on several parts of our own coasts. Rather variable, but mainly cyclonic, winds prevailing over southern Europe. North-Westerly current increasing to a strong gale later in the Isle of Gothland.

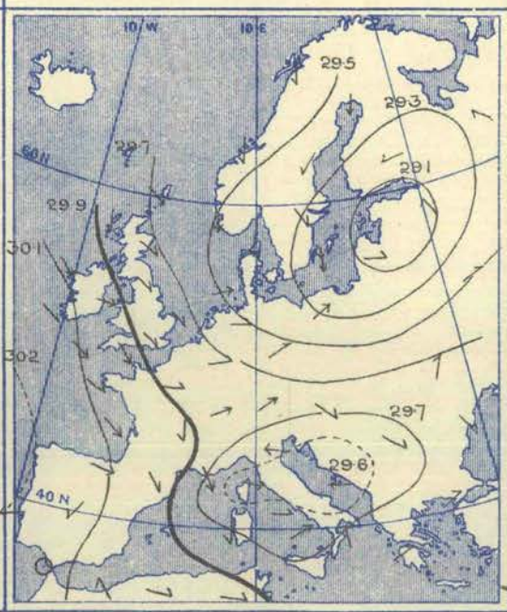
Barometer at 8 a.m. ranging from above 30·2 ins. off our south-west coasts to below 29·8 ins. in two minima over southern Europe, and to below 29·2 ins. in a large system centred over Gothland. Later in the day the northern disturbance increased greatly in depth without materially changing its position and gradients became much steeper in its immediate neighbourhood. Little modification, however, occurred in the general distribution of pressure.

Monday, 2nd October, 1905.

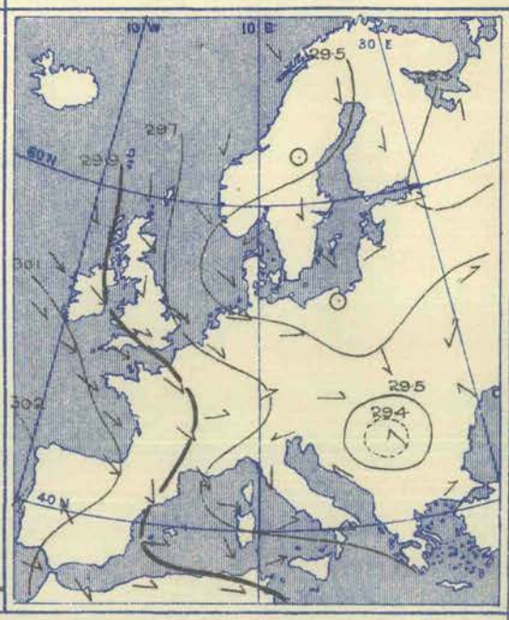
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair and fine in a few localities, but dull and unsettled as a whole. Showery at some of our own western stations and rainy at several in northern Europe, as well as at Breslau, Buda-Pesth, on the shores of the Adriatic, and in the south-west of France. More or less rain falling in all countries except Spain and Portugal during the ensuing twenty-four hours—nearly 2 ins. at Leghorn, 1·5 in. at Lesina, 1·1 in. at Stockholm, and 0·9 in. at La Calle.

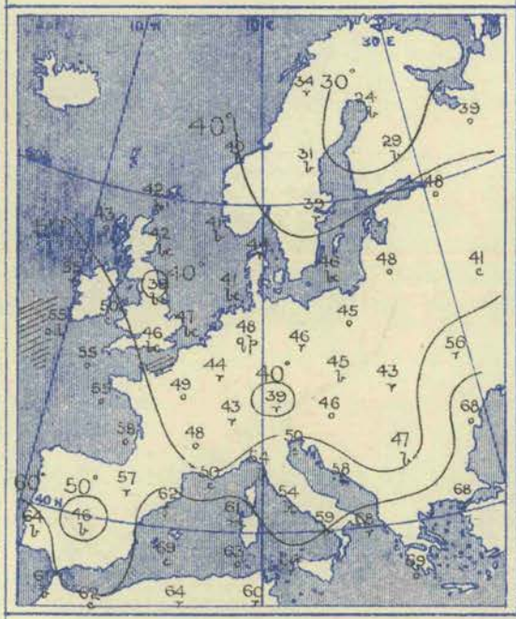
Temperature fallen in most regions. Morning readings ranging from 75° at Athens and 71° at Algiers to below 50° generally, and to below 40° in the extreme north. Lowest value, 31° at Haparanda. Rising during day to 87° at Constantinople, 86° at Lesina, and to nearly 80° at some other southern stations. Remaining below 60° over central Europe, the United Kingdom, and most of France, and only touching 48° at Carlsruhe and 46° at Munich.

Wind at 8 a.m. showing two cyclonic circulations—one over northern, and the other over southern Europe. North-Westerly and Northerly current strong to a gale over the Baltic and fresh or strong over many parts of our Islands and the south-east of France. A moderate South-Westerly gale prevailing at Rome and a similar force from East at Lesina. Little change occurring later.

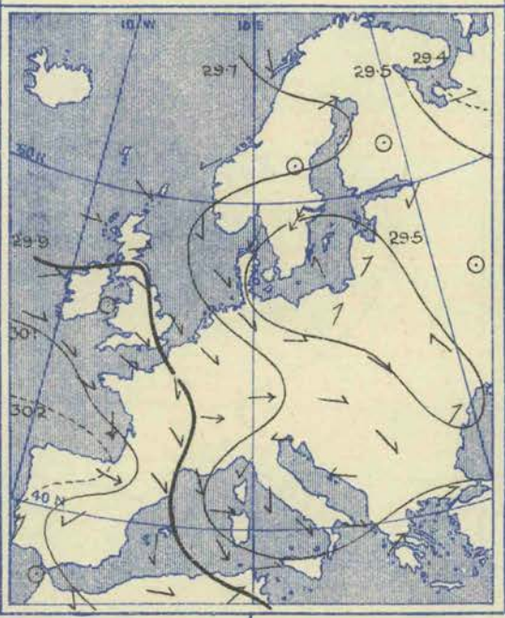
Barometer in morning above 30·2 ins. in Portugal and decreasing to below 29·6 ins. in a large depression centred over the north of the Adriatic, and to below 29·1 ins. in another disturbance over the Baltic Provinces of Russia. Both systems undergoing considerable modification in form and depth by evening. A fresh decrease of pressure setting in on the north-west coast of Ireland.

Tuesday, 3rd October, 1905.

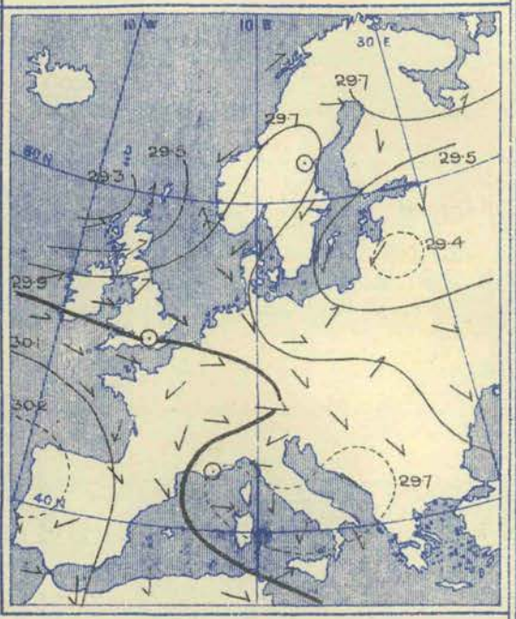
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. varying greatly; fair in many parts of our Islands, the extreme north and south-west of Europe, and at several Italian stations, cloudy or overcast as a whole, with rain in places over a very large area extending from Stockholm to Algeria, and from Brussels to Kiev. Rain falling in most regions later—largest amounts, 1·0 in. at Pesaro, 0·8 in. at Sumburgh Head, and 1·3 in. at La Calle.

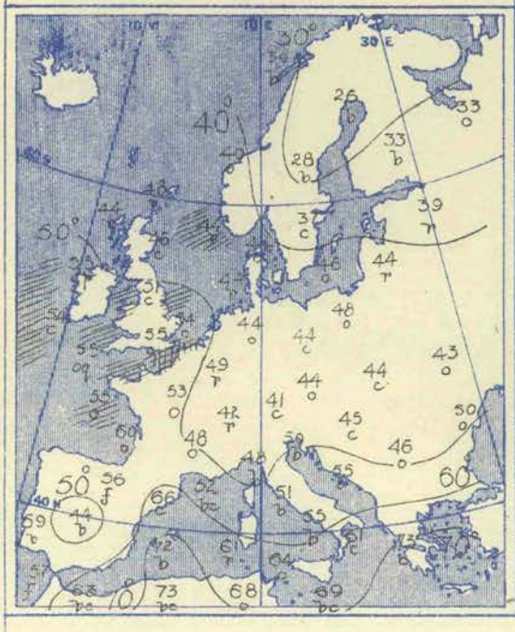
Temperature fallen generally. Readings in morning below 70° at all the southern stations. Highest values, 69° at Athens and Barcelona. Below the freezing point in the north of Sweden and Finland. Lowest figure, 24° at Uleaborg. Below 50° over Europe as a whole, and as low as 39° at North Shields and Munich. Rising during day to 79° at Nemours and above 70° in several other southern localities. Remaining below 70° over France and below 60° over the central countries and at nearly all our own stations. Maximum at Munich only 43°.

Wind in morning varying considerably. Mainly Northerly or North-Westerly over the western countries and light to fresh in force, but Westerly on our extreme north-west coasts. Irregularly cyclonic over the central and southern regions; a fresh North-East gale prevailing at Stockholm, a moderate North-West gale at Cape Sicié, and a moderate gale from South-South-West at Athens. Backing towards south-west and increasing on our north-west coasts later and to west over our Islands generally.

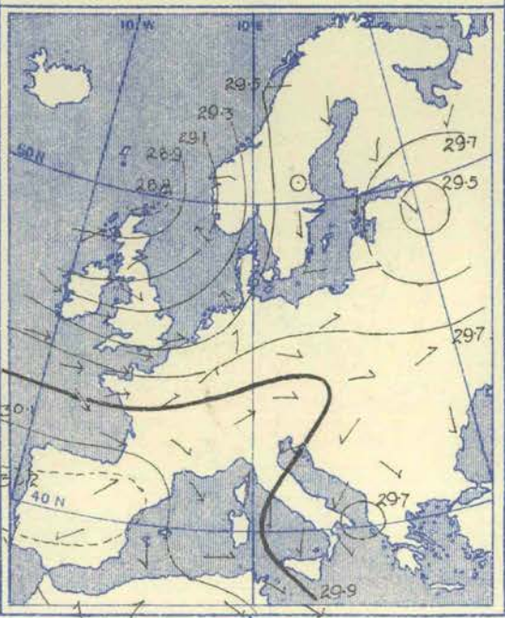
Barometer at 8 a.m. ranging from above 30·2 ins. over the north of Spain to below 29·6 ins. over the greater part of Italy and to below 29·5 ins. in an irregularly shaped area extending south-eastwards from the Baltic. Pressure decreasing very quickly during day on our extreme north-west coasts and briskly over the north and west of our Islands generally. Rising on the eastern and southern shores of the North Sea.

Wednesday, 4th October, 1905.

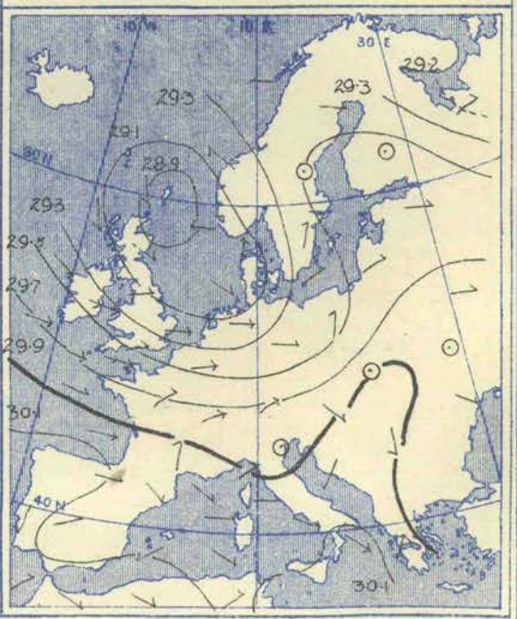
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very unsettled over our Islands and north-western and northern Europe, with rain in many localities; cloudy or overcast in most other regions, and rainy at Cagliari, but sky clear at several Mediterranean and Portuguese stations. Fog prevailing at Biarritz and San Fernando. Rain experienced later in almost all regions except the Spanish Peninsula—amounts heavy in several places. More than 1·5 in. at Faerder, about 0·8 in. in the north of Holland and at Nottingham, and 0·7 in. at Brindisi.

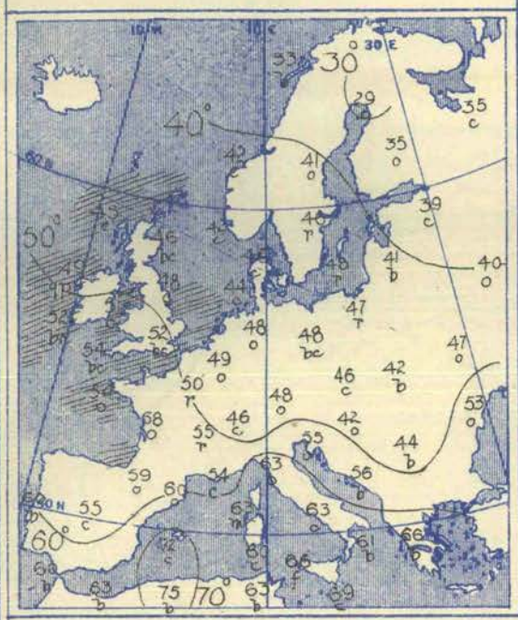
Temperature risen over Great Britain, France, the Netherlands, and in many Mediterranean regions, fallen over our area as a whole. Morning readings as high as 73° in Greece and at Algiers, and 72° at Palma. Below 50° over the north of Italy and the greater part of the Continent, and below 30° in the north of Sweden. Rising later to 81° in Greece, to above 70° in Algeria, Spain, and Portugal, and at Perpignan. Not touching 55° at the majority of stations in the central countries and France. Maximum at Brindisi only 59°.

Wind in morning strong to a gale from the Westward over Ireland, England, and the north of France, and blowing a whole gale from South-East at Skudesnaes. A complete cyclonic circulation of light winds prevailing over Russia, and two others of light to fresh winds over southern Europe. Wind veering towards North-West on our north and north-west coasts later and continuing very strong in most places.

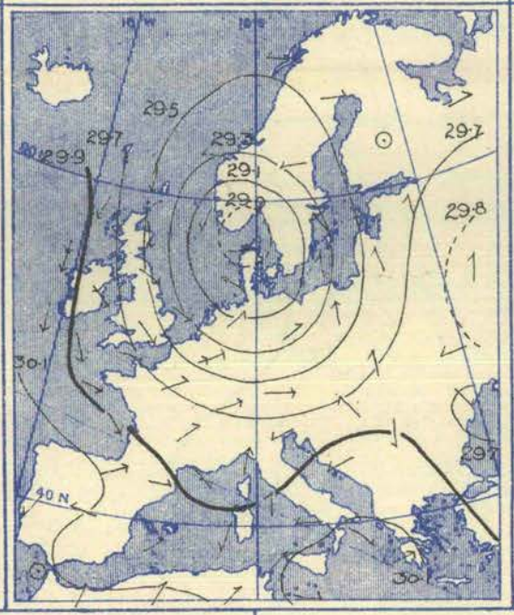
Barometer at 8 a.m. ranging from above 30·2 ins. in the north of Spain to 29·7 ins. and less in a depression centred over Montenegro, to less than 29·3 ins. in another system in the neighbourhood of St. Petersburg, and to below 28·8 ins. in a very deep and large disturbance having its centre to the north-westward of the Shetlands. Continental depressions partially dispersing by evening and that to the northward of our Islands moving south-eastwards.

Thursday, 5th October, 1905.

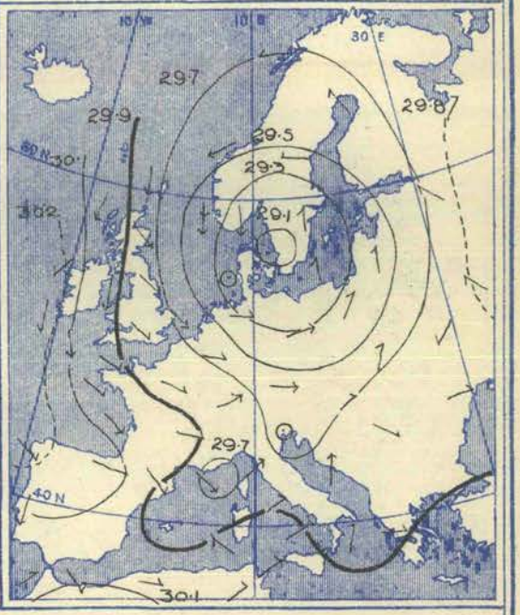
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair in most parts of our Islands, but showery in places; fine and bright in the extreme south of our area; very unsettled in most other regions, with rain in several localities. Rain in considerable amounts experienced later in many Continental regions—largest measurements, 2·2 ins. at Kharkov, 1·3 in. at Trieste, and about 0·8 in. at Aix-la-Chapelle and Groningen, and 0·7 in. at Stockholm and Karlstad.

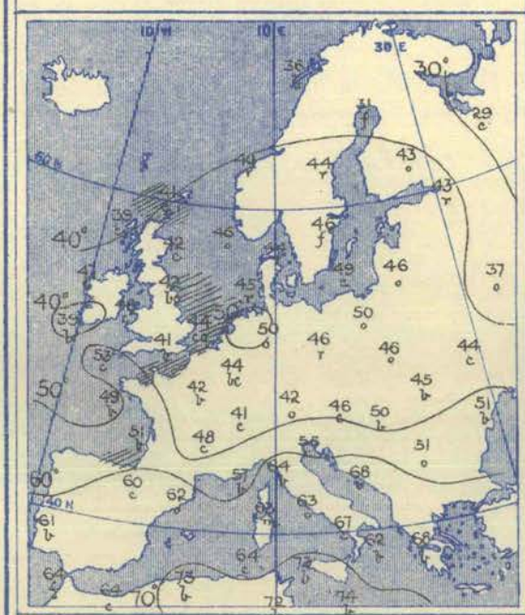
Temperature risen in Scandinavia and in some parts of southern Europe, but fallen as a whole. Morning readings as low as 29° at Uleaborg and between 30° and 35° in the far north generally. Below 50° over the greater part of our area, but above 60° at many stations in the Mediterranean region, and above 70° at Palma and Algiers. Maximum during day, 88° at Algiers, 70° or a little higher in Greece, Italy, and the Spanish Peninsula, but below 60° over central Europe and the United Kingdom.

Wind in morning showing one vast cyclonic circulation affecting almost the whole of our area. Strong to a gale from the North-Westward over our Islands and the Netherlands, and from the Westward over the north of France. South-Westerly to Southerly current over central Europe and Russia moderate in force. Little change later except the setting in of a small cyclonic circulation over the Gulf of Genoa and its vicinity.

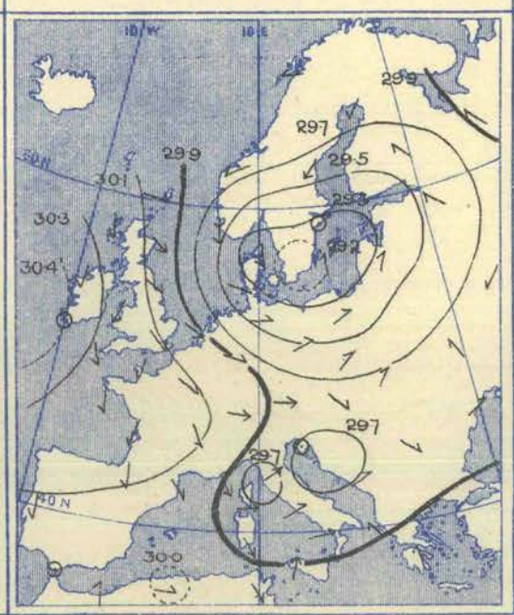
Barometer at 8 a.m. as low as 28·9 ins. in a most extensive depression having its centre over the Skager Rack. Above 30·1 ins. over the Spanish Peninsula and the adjacent part of Africa, and also over the central portion of the Mediterranean. Disturbance moving slowly eastwards later and barometer rising very briskly over these Islands and the south-west of Norway. A small depression appearing near Nice, and others over the south of the Adriatic and Little Russia.

Friday, 6th October, 1905

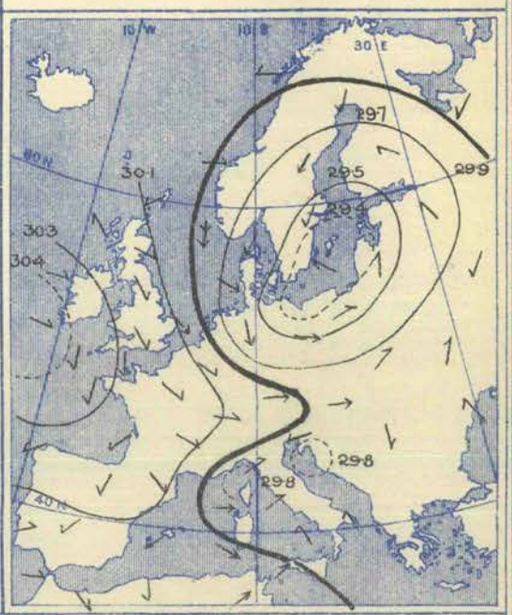
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. in a very unsettled state over our area generally, with rain over the northern half of the Continent and also at Bilbao and Patras. Fair or fine in many parts of our Islands, the extreme south of our area, and the west and north of France. Rain in varying quantities experienced later in most parts of our area except Spain and Portugal and some of the other southern regions.

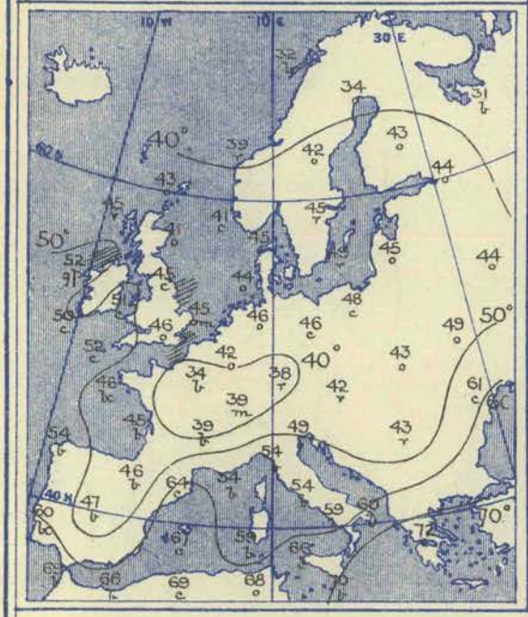
Temperature fallen as a whole, but risen in Finland and the Baltic Provinces and also in various parts of southern Europe. Morning readings below 32° in the extreme north and above 70° at some stations in the extreme south. Below 50° over our area generally; less than 40° in the south-west and centre of Ireland. Maxima during day below 55° at nearly all our own and the German stations; exceeding 70° very generally over southern Europe and touching 80° in Sicily, Malta, and Algeria.

Wind at 8 a.m. still showing a very widespread cyclonic circulation. Northerly current strong to a gale on the shores of the North Sea. Two separate cyclonic movements prevailing over southern Europe; fresh or strong from various directions at some Mediterranean stations. No important change later.

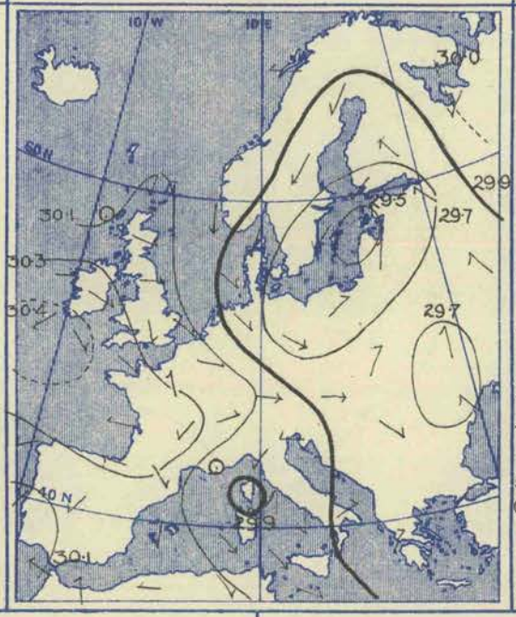
Barometer in morning ranging from above 30·4 ins. in the south-west of Ireland to below 29·7 ins. in two minima in the neighbourhood of the north of Italy, and to less than 29·4 ins. in a large disturbance centred over the south of Sweden. Latter system travelling very slowly eastwards later and barometer rising briskly over the Netherlands, Denmark, and Norway. A small secondary disturbance appearing off the west of Scotland by evening.

Saturday, 7th October, 1905.

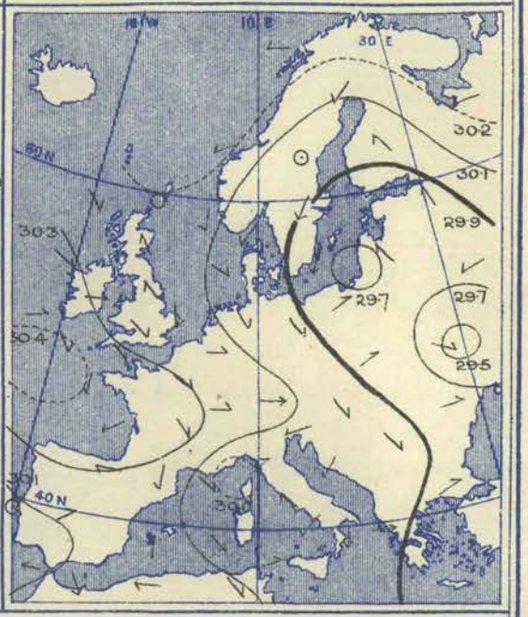
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very unsettled over our area generally, but fine and bright at many stations in southern Europe. Rain falling in several localities on the shores of the Baltic, at Ulesborg, Christiansund, in Scotland, and the north of Ireland, and also in some parts of central Europe. More than an inch of rain falling later at Kiev and smaller amounts in many parts of the central and northern countries and over the United Kingdom.

Temperature risen over the United Kingdom and Russia, fallen generally elsewhere. Readings at 8 a.m., 72° at Athens, 70° at Malta, and between 60° and 70° at most stations in the extreme south. Below 50° over our area generally and less than 40° in several places, only 33° at Limoges and 31° at Archangel. Maxima during day, 81° at San Fernando and above 70° in many other southern regions. Below 55° at Paris and in most parts of central Europe and our Islands; only 48° at Munich.

Wind in morning anticyclonic over our Islands and their vicinity, cyclonic elsewhere. Moderate in most places, but fresh or strong in several localities over the northern countries of the Continent. Becoming very variable in Scotland by evening, but not much change taking place as a whole.

Barometer at 8 a.m. ranging from above 30·4 ins. off our south-west coasts to 29·9 ins. in a small minimum over the Strait of Tuscany, and to less than 29·5 ins. in a large disturbance centred over the Gulf of Riga. Another low pressure system found over the south-west of Russia. This last system increasing considerably in depth during day and that over the Gulf of Riga becoming less deep. Southern depression moving slightly north-westwards. Barometer falling slightly in Scotland and a very shallow depression arriving over that country.

IV.—GENERAL NOTES, etc.

At the commencement of the week a large but not very deep disturbance was centred over the Baltic, whence it travelled slowly eastwards to Russia and became much modified in form. This was followed a little later in the period by a shallow and irregularly shaped area of low pressure extending from the Baltic to the Black Sea. The latter half of the week was marked by the arrival of a deep and unusually large depression whose centre, after reaching the Shetlands and moving southwards to the North Sea, subsequently travelled very slowly eastwards to Sweden and the Baltic and gradually became less deep. Prior to the advent of this system the winds over our Islands and their neighbourhood had not often been stronger than a moderate or fresh breeze, but the rapidity of the baric fall and rise in the front and rear of this disturbance caused gales or very strong winds over the United Kingdom and many other parts of western Europe, and finally over Germany and the Baltic. Rain fell frequently and sometimes heavily in most parts of our area except Algeria and the Spanish Peninsula, the falls in Italy and its vicinity being caused by numerous depressions over the Mediterranean or some part of southern Europe. Temperature underwent a further decrease in all regions. In some localities in the extreme north sharp frost was experienced.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 236.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	13·1	− 7·7	17	− 10
STRATHPEFFER SPA	15·6	− 7·6	20	− 10
CRATHES	17·5	—	22	—
BALRUDDERY	25·6	—	33	—
EDINBURGH	22·8	+ 2·3	29	+ 3
COCKLE PARK	26·7	—	34	—
NEWCASTLE-on-TYNE	19·6	—	25	—
SALTBURN-by-the-SEA		—		—
YORK	24·7	+ 1·9	31	+ 2
SKEGNESS	27·1	—	34	—
CROMER	17·0	—	22	—
LOWESTOFT	24·7	—	31	—
DUNMOW	22·1	—	28	—
SHEFFIELD	26·5	—	34	—
WORKSOP	20·9	− 1·2	27	− 2
MARGATE	20·9	− 7·5	27	− 9
RAMSGATE	24·1	—	31	—
EASTBOURNE	24·8	− 7·2	31	− 9
BRIGHTON	25·8	− 6·3	33	− 8
WORTHING	29·5	—	37	—
BOGNOR	28·1	—	36	—
VENTNOR HOSPITAL	25·8	− 6·9	33	− 9
BOURNEMOUTH	25·1	—	32	—
MARLBOROUGH	18·7	− 7·0	24	− 9
SOUTHPORT	22·4	—	28	—
RHYL	13·8	—	18	—
ABERDOVEY	21·5	—	27	—
TENBY	22·5	− 6·0	29	− 8
TORQUAY	26·8	− 2·8	34	− 4
NEWQUAY	18·8	− 10·7	24	− 14
GUERNSEY	21·5	− 10·7	27	− 14

Reports received too late for insertion in their proper places.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration.	Difference from the Mean for the Week.
No. 34, page 204	Broadstairs	—	—	—	—	—	—	—	—	—	—	—	52·3	—	53	—
,, 35, ,, 210	Broadstairs*	—	—	—	—	—	—	—	—	—	—	—	16·2	—	17	—
,, 38, ,, 228	Saltburn-by-the-Sea	—	—	—	—	—	—	—	—	—	—	—	34·3	—	40	—
,, 38, ,, 228	Newquay	—	—	—	—	—	—	—	—	—	—	—	36·0	+ 1·5	42	+ 2
,, 39, ,, 234	Balruddery												22·5	—	27	—

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No 41. FORTY-FIRST WEEK, ENDING SATURDAY, OCTOBER 14TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 242.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	60	32	52·1	42·7	47·3	1 above	37	+1	0	-8	1867	+ 25	482	- 97
	1. SCOTLAND, EAST	67	30	55·8	42·7	49·1	2 above	50	+10	0	-9	2178	- 5	511	-119
	2. ENGLAND, N.E.	63	30	54·6	44·0	49·2	1 above	50	+ 5	0	-4	2594	+212	377	-131
	3. ENGLAND, EAST	62	32	54·4	43·8	49·0	1 below	49	- 3	0	-5	2939	+190	349	-207
	4. MIDLAND COUNTIES	64	30	54·1	44·8	49·3	1 above	51	+ 4	0	-8	2751	+ 45	397	-175
	5. ENGLAND, SOUTH	61	31	55·4	44·9	50·0	1 below	56	- 5	0	-3	2953	- 54	268	-143
Principal Grazing Districts.	6. SCOTLAND, WEST	63	31	55·7	44·5	49·9	2 above	55	+10	0	-5	2388	+ 74	316	-122
	7. ENGLAND, N.W.	60	30	54·2	45·7	49·8	0 (average)	55	+ 5	0	-3	2583	+ 45	273	-139
	8. ENGLAND, S.W.	65	31	56·4	46·1	51·1	1 above	64	+ 5	0	-2	2809	+ 3	222	- 91
	9. IRELAND, NORTH	65	36	54·3	46·5	50·3	2 above	58	+12	0	-4	2474	+ 31	271	- 91
	10. IRELAND SOUTH	70	29	56·9	44·9	50·7	0 (average)	61	+ 6	0	-3	2896	+124	166	-100
	— CHANNEL ISLANDS	61	46	57·6	49·1	53·2	1 below	78	- 3	0	0	3305	+ 74	55	- 65

Rainfall.

	DISTRICTS. (See p. 242.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	10	2 less	216	+42	38·5	+ 5·3
	1. SCOTLAND, EAST	3	5	2 less	166	+15	20·0	- 3·8
	2. ENGLAND, N.E.	3	5	1 less	127	-11	14·2	- 4·8
	3. ENGLAND, EAST	4	3	3 less	130	- 8	16·0	- 2·4
	4. MIDLAND COUNTIES	2	1	6 less	135	+ 3	16·9	- 4·3
	5. ENGLAND, SOUTH	2	1	7 less	130	0	19·0	- 2·0
Principal Grazing Districts.	6. SCOTLAND, WEST	4	7	4 less	162	+ 6	34·9	- 2·1
	7. ENGLAND, N.W.	2	5	4 less	150	+ 3	23·6	- 2·5
	8. ENGLAND, S.W.	2	1	9 less	147	+ 1	23·9	- 4·2
	9. IRELAND, NORTH	5	3	5 less	184	+ 7	26·6	- 0·9
	10. IRELAND, SOUTH	3	1	8 less	167	+ 9	26·1	- 4·2
	— CHANNEL ISLANDS	3	1	9 less	163	+13	20·5	- 3·0

Bright Sunshine.

	DISTRICTS. (See p. 242.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	-13	8	-18	1040	+ 15	27	0
	1. SCOTLAND, EAST	16	- 8	21	-10	1221	+ 14	32	0
	2. ENGLAND, N.E.	8	-13	10	-17	1345*	+ 61	36	+ 2
	3. ENGLAND, EAST	14	-14	18	-19	1471	+ 36	39	+ 1
	4. MIDLAND COUNTIES	7	-16	9	-21	1268	- 1	34	0
	5. ENGLAND, SOUTH	13	-14	17	-18	1416	- 29	38	- 1
Principal Grazing Districts.	6. SCOTLAND, WEST	14	- 6	19	- 8	1336	+ 92	35	+ 2
	7. ENGLAND, N.W.	8	-12	11	-16	1319	+157	35	+ 4
	8. ENGLAND, S.W.	16	- 9	21	-12	1352	-102	36	- 3
	9. IRELAND, NORTH	6	-16	7	-21	1253	+125	33	+ 3
	10. IRELAND, SOUTH	15	-10	21	-13	1228	- 59	33	- 2
	— CHANNEL ISLANDS	18	-11	24	-15	1538	-161	41	- 4

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather, though very cloudy, was at first fair and dry in all but the northern districts, where showers were somewhat frequent. After the middle of the week the conditions became generally unsettled, with rain over the entire Kingdom. Hail, sleet or snow occurred on Saturday at several places in the northern and eastern parts of Great Britain.

Temperature differed but little from the mean, a trifling deficit being reported in most of the eastern and southern districts, but a slight excess in most other parts of the Kingdom. The highest of the maxima were recorded early in the week, chiefly on Monday, when the thermometer rose to between 60° and 65° in most districts. In Scotland E. (at Clathick) it reached 67°, while in Ireland S. it rose to 68° at Waterford and to 70° at Killarney. The lowest readings were registered during Friday night, when frost occurred over a considerable portion of the country. In Ireland N. the thermometer did not fall below 36°, while in the Channel Islands it did not get below 46°.

Rainfall was less than the average over the Kingdom generally, the deficiency being very large in all the more central and southern districts. At some stations in the north of Scotland, however, where rain fell every day, the total for the week was slightly in excess of the mean.

Bright Sunshine was very deficient. Less than 20 per cent. of the average was recorded in all districts excepting Scotland E., England S.W., Ireland S., and the Channel Islands, and less than 10 per cent. in Scotland N., the Midland Counties, and Ireland N.

Barometer and Wind. During the early part of the week a large anticyclone extended very gradually over these Islands from the Atlantic, the wind being at first North-Westerly, but afterwards shifting to the Westward in the north, and to the North-Eastward in the south. After Wednesday the anticyclone receded in a south-westerly direction, while a large cyclonic disturbance advanced over Scandinavia from the North-Westward. North-Westerly winds now set in again very generally, and blew with the force of a gale on many parts of our north-west, north, and east coasts. At the close of the week further depressions were appearing off the north of Scotland, and the wind was backing to the westward, its force being, however, generally moderate.

4140 Wy. & S. Ltd.
370 10 | 05

II.—DATA from which the SUMMARY on page 241 has been calculated.

Districts. Oct. 8-14, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
O. SCOTLAND, N.	Sumburgh Head	53	32	48·0	41·7	44·8	− 1·5	21	1	7	0·72	− 0·25	*	*	*	*
	Stornoway	56	35	52·6	44·0	48·2	+ 1·8	43	0	7	1·23	+ 0·06	2·6	− 17·9	4	− 25
	Wick	58	33	52·6	41·9	47·1	+ 0·2	36	0	7	0·96	+ 0·28	*	*	*	*
	Lairg Ꞩ												*	*	*	*
	Glencarron Ꞩ	56	32	52·3	42·7	47·4	+ 1·4	38	0	7	1·55	− 0·40	*	*	*	*
	Fort Augustus Ꞩ	60	34	55·2	43·4	49·1	+ 2·0	50	0	5	0·41	− 0·52	6·8	− 7·7	9	− 10
1. SCOTLAND, E.	Nairn	60	35	54·9	43·3	48·9	+ 1·9	48	0	4	0·49	− 0·06	*	*	*	*
	Aberdeen	60	34	54·9	43·3	48·9	+ 1·3	48	0	4	0·33	− 0·33	10·7	− 12·8	15	− 17
	Braemar Ꞩ	62	32	54·2	41·1	47·5	+ 3·4	42	3	3	0·41	− 0·46	*	*	*	*
	Clathick Ꞩ	67	34	59·0	42·7	50·6	+ 3·3	80	0	4	0·31	− 0·62	*	*	*	*
	Leith	66	38	57·9	46·0	51·8	+ 3·3	69	0	3	0·74	+ 0·28	*	*	*	*
	Marchmont Ꞩ	61	30	53·7	40·0	46·7	+ 0·5	41	6	2	0·80	0·00	10·2	− 10·2	14	− 14
2. ENGLAND, N.E	Alnwick Castle	63	34	56·0	41·8	48·7	+ 1·2	48	1	3	0·72	− 0·02	*	*	*	*
	Durham	63	32	55·3	42·8	48·9	+ 1·5	48	0	2	0·62	− 0·06	9·7	− 11·7	13	− 16
	Shields	63	31	54·4	42·4	48·2	0·0	43	0	4	0·65	+ 0·04	*	*	*	*
	Scarborough Ⓜ	61	35	54·4	44·7	49·4	+ 0·5	52	0	3	0·54	− 0·17	3·2	—	4	—
	Spurn Head	59	39	54·0	47·0	50·4	+ 0·3	59	0	5	0·35	− 0·17	*	*	*	*
	Lincoln	63	31	54·2	44·8	49·4	− 0·2	52	0	3	0·32	− 0·22	*	*	*	*
	Fulbeck (Lincolnshire)	62	30	53·7	44·7	49·1	+ 0·8	50	0	4	0·27	− 0·29	8·6	—	12	—
3. ENGLAND, E.	Hillington Ⓜ	60	34	54·2	42·6	48·2	− 1·2	43	0	5	0·44	− 0·20	10·8	− 12·8	14	− 17
	Yarmouth	58	36	53·7	45·9	49·7	− 0·6	54	0	6	0·68	+ 0·03	*	*	*	*
	Geldeston	59	33	54·2	41·4	47·6	− 2·5	42	2	6	0·67	+ 0·07	16·3	− 10·7	22	− 14
	Cambridge	62	33	53·7	42·2	47·8	− 1·9	41	0	5	0·09	− 0·44	9·5	− 16·0	13	− 21
	Felixstowe	60	35	55·0	45·5	50·1	0·0	57	0	5	0·27	—	16·5	—	22	—
	Clacton-on-Sea	61	33	55·3	44·0	49·5	− 1·4	53	0	2	0·04	—	13·4	—	18	—
	Rothamsted	58	32	53·6	44·8	49·1	+ 0·2	50	0	3	0·12	− 0·55	9·1	− 17·4	12	− 23
	Shoeburyness	62	33	55·6	43·9	49·6	− 1·7	53	0	0	0·00	− 0·50	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	63	30	54·2	42·9	48·4	+ 0·6	45	0	2	0·38	− 0·36	11·0	—	15	—
	Bawtry (Hesley Hall)	64	30	55·6	44·6	49·9	+ 1·5	55	0	3	0·22	− 0·39	*	*	*	*
	Nottingham	62	33	54·6	46·0	50·2	+ 1·2	57	0	2	0·03	− 0·59	4·9	—	7	—
	Colly Weston (Stamford)	61	30	54·6	44·3	49·3	− 0·1	51	0	4	0·07	− 0·53	*	*	*	*
	Cheadle Ⓜ	54	30	51·3	42·3	46·7	− 0·9	33	0	4	0·31	− 0·45	*	*	*	*
	Birmingham (Edgbaston)	56	35	52·2	44·6	48·3	− 0·8	44	0	1	0·07	− 0·57	2·9	—	4	—
	Shrewsbury	61	36	55·3	46·1	50·6	+ 1·1	60	0	1	0·02	—	*	*	*	*
	Hereford Ⓜ	64	33	55·3	45·7	50·4	+ 1·2	59	0	0	0·00	− 0·63	*	*	*	*
	Cirencester	62	34	54·2	45·0	49·5	+ 1·0	53	0	0	0·00	− 0·71	10·2	− 14·5	14	− 19
	Oxford	58	35	53·9	46·1	49·9	0·0	55	0	3	0·03	− 0·60	6·7	− 17·9	9	− 24
	Westminster	61	34	55·4	45·7	50·4	− 0·2	59	0	3	0·06	—	7·7	− 9·9	10	− 13
5. ENGLAND, S.	London (Brixton)	60	34	55·1	45·6	50·2	− 0·6	57	0	2	0·02	− 0·58	8·2‡	− 11·2‡	11‡	− 15‡
	Wisley (Surrey)	57	32	53·8	43·9	48·7	− 3·8	47	0	2	0·02	—	9·4	—	12	—
	Swarraton (Alresford) Ⓜ	58	32	54·1	45·0	49·4	+ 0·5	52	0	2	0·05	− 0·71	*	*	*	*
	Tunbridge Wells Ⓜ	57	31	54·1	42·2	48·0	− 3·1	42	0	2	0·04	—	12·6	—	17	—
	Dungeness	60	32	56·4	44·9	50·5	− 1·9	60	0	3	0·28	− 0·44	14·1	—	19	—
	Hastings (St. Leonards)	60	33	55·4	43·4	49·2	− 2·9	50	0	2	0·04	− 0·78	21·0	− 8·3	28	− 11
	Southampton	61	36	57·8	46·0	51·7	0·0	68	0	1	0·01	− 0·74	14·3	− 13·4	19	− 18
	Portland Bill	61	42	57·9	48·0	52·8	+ 1·1	76	0	1	0·01	—	*	*	*	*
	Shaftesbury Ⓜ	60	35	54·0	44·7	49·2	+ 0·4	50	0	2	0·04	− 0·80	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	56	37	54·6	46·1	50·2	+ 1·9	57	0	7	1·61	− 0·02	*	*	*	*
	Glasgow	59	36	55·0	45·2	50·0	+ 2·4	56	0	2	0·45	− 0·38	18·6	+ 1·9	25	+ 3
	Cally Ꞩ	63	31	58·4	42·8	50·4	+ 3·0	59	0	5	0·70	− 0·36	*	*	*	*
	Aspatria	61	31	55·1	41·7	48·2	− 0·4	45	1	2	0·35	—	12·7	—	17	—
	Douglas (Isle of Man)	58	40	55·2	46·7	50·8	+ 1·8	62	0	2	0·46	− 0·54	11·0	− 13·7	15	− 18
7. ENGLAND, N.W.	Newton Rigg	58	30	54·4	40·4	47·2	0·0	43	4	2	0·58	—	9·4	—	13	—
	Stonyhurst	58	34	53·5	42·9	48·0	− 0·4	42	0	3	1·48	+ 0·34	9·6	− 11·7	13	− 16
	Blackpool Ⓜ	57	35	54·5	43·8	49·0	− 0·9	49	0	2	0·65	− 0·28	16·5	− 5·1	22	− 7
	Manchester (Prestwich)	57	31	53·2	43·2	48·1	− 0·4	43	0	4	0·82	− 0·10	2·6	—	3	—
	Liverpool Obsy. (Bidston)	55	39	52·7	47·3	49·9	− 0·3	55	0	2	0·23	− 0·54	3·2	—	4	—
	Chester (Hawarden Bridge)	58	40	54·0	48·2	51·0	+ 0·7	63	0	1	0·03	—	*	*	*	*
	Llandudno Ⓜ	58	44	55·3	49·6	52·4	+ 1·0	73	0	2	0·18	− 0·70	2·0	− 19·2	3	− 26
	Holyhead	58	42	54·4	48·6	51·4	0·0	66	0	3	0·17	− 0·78	*	*	*	*
	Bettws-y-Coed	60	39	55·4	46·9	51·0	+ 0·2	63	0	3	0·29	—	3·2	—	4	—
8. ENGLAND, S.W.	Llangammarch Wells	61	31	54·2	44·3	49·1	+ 1·3	50	0	3	0·11	—	—	—	—	—
	Pembroke	61	43	57·0	48·9	52·8	+ 0·6	76	0	3	0·04	− 0·86	17·5	− 7·7	23	− 10
	Cardiff	64	32	56·1	44·5	50·1	− 1·2	57	0	0	0·00	—	*	*	*	*
	Clifton	64	37	55·2	47·2	51·1	+ 0·9	64	0	1	0·02	− 0·83	*	*	*	*
	Bath	65	35	56·9	46·9	51·8	+ 1·6	69	0	0	0·00	− 0·71	10·7	—	14	—
	Arlington (N. Devon)	61	40	56·0	45·0	50·3	+ 0·4	58	0	4	0·13	− 1·24	*	*	*	*
	Cullompton Ⓜ	64	34	57·7	43·4	50·3	+ 0·7	58	0	2	0·03	− 0·84	16·0	− 7·5	21	− 10
	Falmouth	60	45	56·3	48·6	52·3	− 0·2	72	0	4	0·08	− 1·07	11·9	− 16·1	16	− 21
	Plymouth	64	42	57·8	46·5	52·0	+ 0·3	70	0	2	0·05	− 0·79	20·3	− 6·0	27	− 8
9. IRELAND, N.	Malin Head	56	41	53·3	47·4	50·3	+ 0·6	58	0	6	0·74	+ 0·04	*	*	*	*
	Edenfel (Omagh)	62	36	54·0	45·0	49·4	+ 2·3	52	0	5	0·31	− 0·55	*	*	*	*
	Blacksod Point	56	41	53·9	47·9	50·8	+ 0·1	62	0	7	0·21	− 0·95	*	*	*	*
	Markree Castle	60	38	54·7	45·5	50·0	+ 1·8	56	0	5	0·32	− 0·63	4·0	− 16·8	5	− 22
	Armagh	65	36	55·7	45·6	50·5	+ 2·5	60	0	3	0·17	− 0·49	7·0	− 14·4	9	− 19
	Donaghadee	57	39	54·0	47·7	50·8	+ 1·5	62	0	2	0·17	− 0·53	*	*	*	*
10. IRELAND, S.	Dublin	63	36	57·0	46·5	51·6	+ 1·4	67	0	2	0·03	− 0·62	12·9	− 13·4	17	− 18
	Birr Castle	61	34	55·4	41·9	48·5	+ 0·1	46	0	3	0·11	− 0·57	12·7	− 11·1	17	− 15
	Kilkenny	63	29	55·4	42·9	49·0	− 0·4	49	0	1	0·04	− 0·66	*	*	*	*
	Waterford	68	32	58·0	45·1	51·4	+ 1·5	66	0	0	0·00	− 0·88	*	*	*	*
	Roche's Point	62	39	57·1	46·7	51·8	+ 0·1	69	0	4	0·06	− 0·87	*	*	*	*
	Valencia	59	41	56·3	45·3	50·6	− 1·5	60	0	4	0·20	− 1·04	20·7	− 3·9	28	− 5
	Killarney	70	37	59·8	43·9	51·6	+ 0·7	67	0	2	0·27	− 0·95	*	*	*	*
	Foynes	61	39	56·3	46·7	51·4	+ 1·6	66	0	4	0·11	− 0·73	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	58	47	56·7	48·7	52·6	− 1·7	74	0	1	0·01	− 0·82	15·1	− 13·1	20	− 17
	Jersey (St. Aubyn's)	61	46	58·4	49·4	53·8	− 0·6	83	0	5	0·10	− 0·87	16·9	− 14·1	22	− 19

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ꞩ is supplied by the Scottish Meteorological Society.

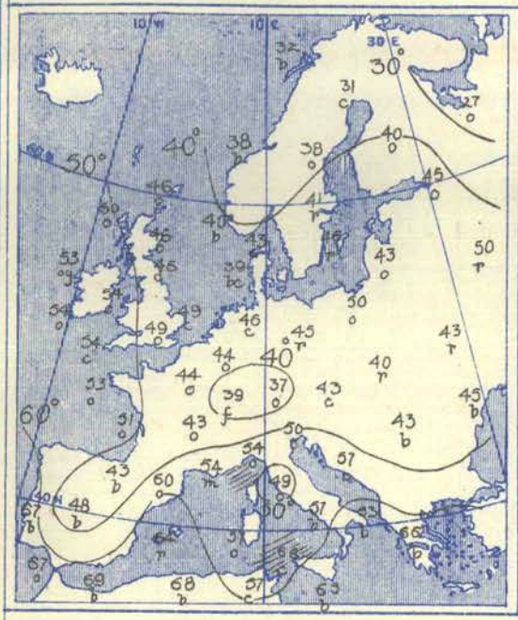
* An Asterisk is inserted in all places for which the information is not usually received.
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 31 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

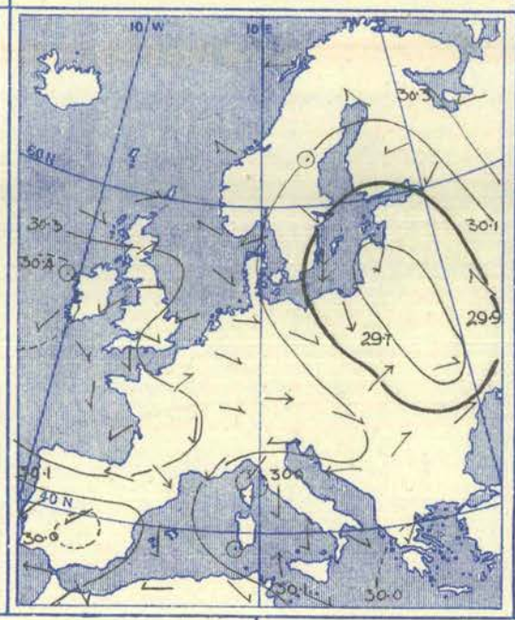
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 8th October, 1905.

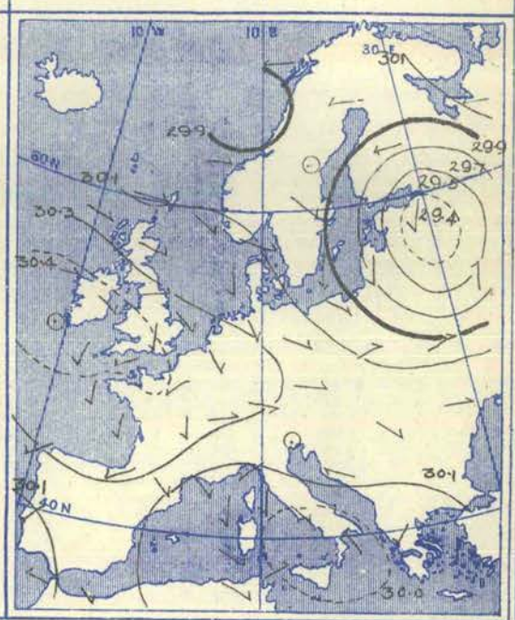
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in several parts of southern Europe and throughout Norway; dull over our area generally, with rain in the south-west of Sweden, several parts of Germany, and also at Palma, and passing showers at Wick. Heavy rain (1·3 in.) falling later at Pesaro and small amounts at several stations in Russia, Denmark, the Netherlands, and Norway.

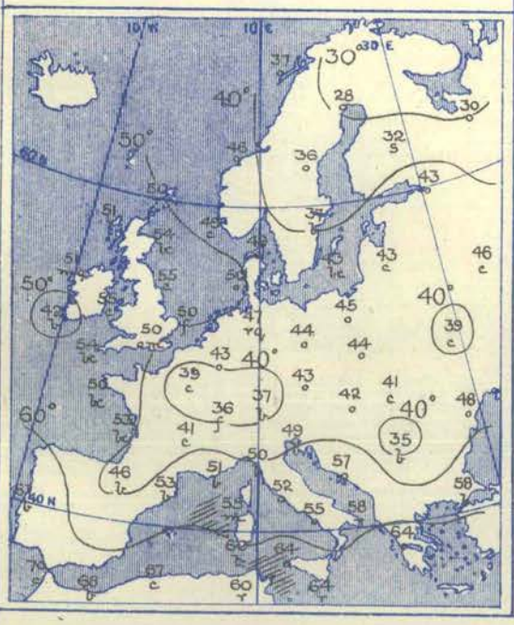
Temperature fallen in most regions. Morning readings, 32° or below in the far north and below 50° over Europe generally. Above 60° at most stations in the extreme south. Highest values, 69° at Oran, 68° at Algiers, and 67° at Lisbon and San Fernando. Rising during day to slightly above 80° at the two last named stations and to some degrees above 70° at many spots on the shores of the Mediterranean. Maxima low over Europe generally—below 50° in some central regions and only 54° and 56° repectively at Lyons and Turin.

Wind in morning cyclonic over the greater part of our area, but anticyclonic over our Islands and their vicinity. Northerly current at Wisby blowing a gale, but as a whole only a light or moderate breeze. Scarcely any change occurring later.

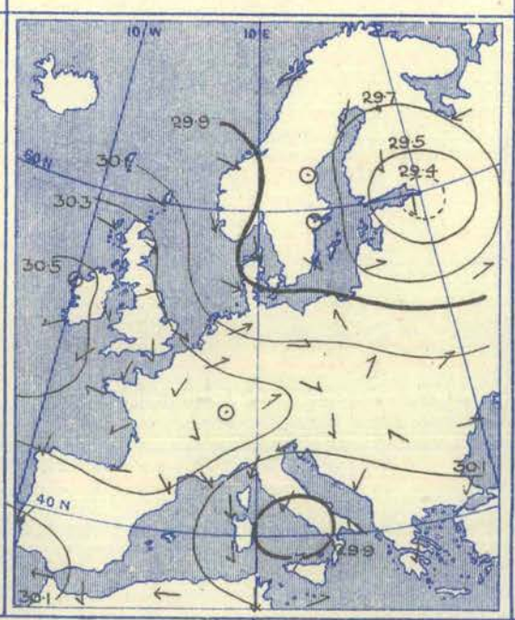
Barometer at 8 a.m. above 30·4 ins. in an anticyclone extending from the Atlantic over the western half of Ireland, above 30·3 ins. over the major part of France and Great Britain, and above 30·2 ins. in a wedge stretching thence to the south of Lapland. As high as 30·4 ins. over the White Sea. Below 29·7 ins. in a depression of considerable size over Russia and below 30·0 ins. in another system over central Spain. Relatively low over Italy and south-eastern Europe. Russian disturbance growing much deeper by evening and a fresh one arriving over the north-west of Norway.

Monday, 9th October, 1905.

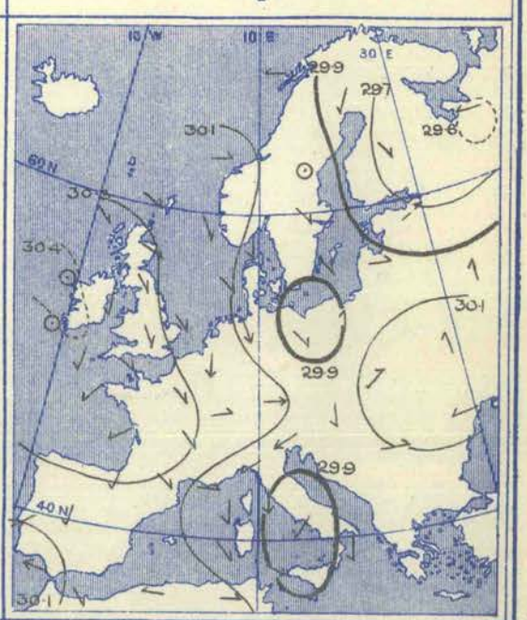
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in most parts of France and the Spanish Peninsula and in a few other localities. Dull over our area generally, with rain at some Italian stations and at Copenhagen and snow in Finland. Heavy rain experienced later in various parts of central and southern Europe—largest measurements, 0·9 in. at Carlsruhe, 1·2 in. at Palermo, and 2·8 ins. at Vienna.

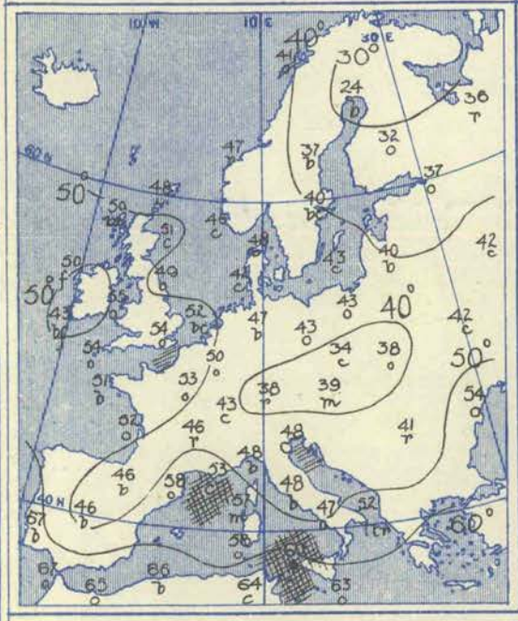
Temperature risen over Great Britain and on the eastern and southern shores of the North Sea, fallen or changed irregularly elsewhere. Morning readings as high as 70° at San Fernando and above 60° at a few other stations in the extreme south. Below 32° in the extreme north and below 45° over the central and northern regions generally. Rising subsequently to 60° and above at some of our own stations and to above 70° in the far south. Scarcely exceeding 50° in Germany and Austria and only touching 60° at Naples.

Wind in morning showing two cyclonic circulations—one in the north and the other over the Mediterranean. Anticyclonic over our Islands and France. Blowing strongly in Denmark and at some Italian stations and also at San Fernando. Increasing to a moderate gale later from West-North-West at Palermo and from East at San Fernando.

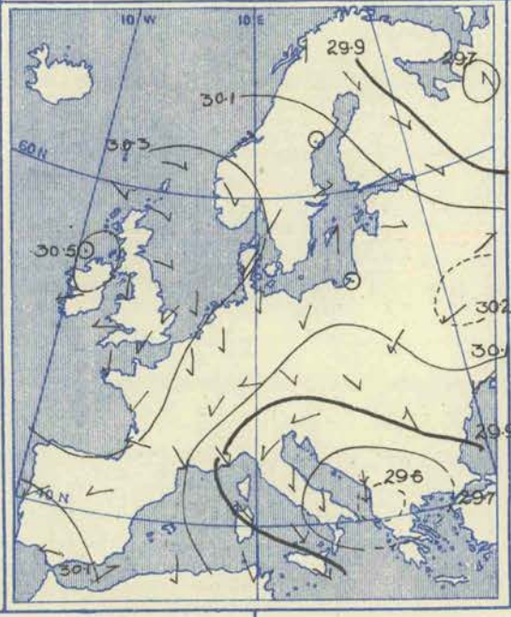
Barometer at 8 a.m. ranging from above 30·5 ins. over Ireland to 29·9 ins. and less in a depression centred near Naples, and to below 29·4 ins. in another system having its minimum near St. Petersburg. Latter apparently moving north-eastwards during day, but the Italian disturbance remaining stationary. A well-defined minimum developing over Germany. Little change taking place within the high pressure area.

Tuesday, 10th October, 1905.

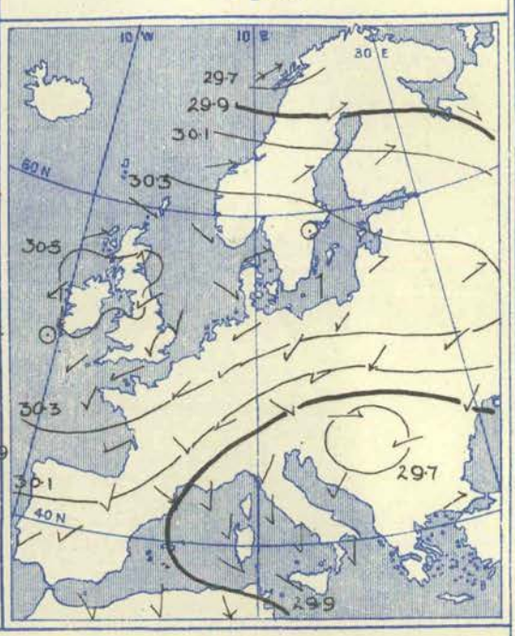
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. varying greatly; fine in several localities, but dull generally, with rain at Archangel, Christiansund, Stornoway, and at some stations in or near the central regions of Europe. A thunderstorm prevailing at Brindisi. More than 1·3 in. of rain falling subsequently at Lemberg, about 0·6 in. at Hermanstadt, Cape Gris Nez, and La Calle, and smaller amounts in many other districts.

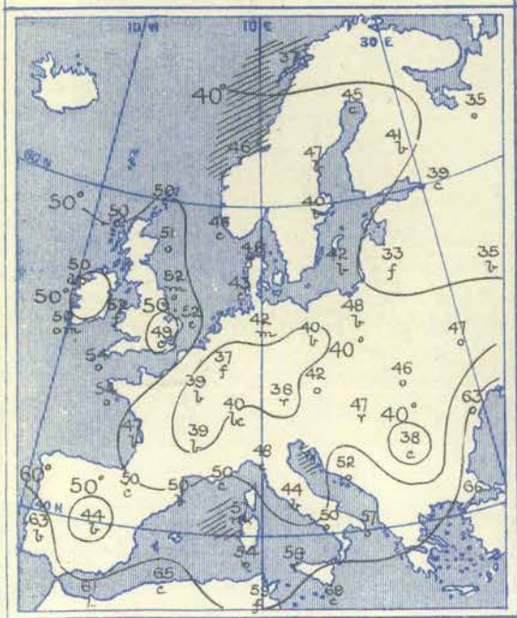
Temperature risen over France and the south of Russia, fallen in most other regions. Readings at 8 a.m., 68° or 67° on the coast of Portugal and 66° at Algiers. Below 50° over Europe as a whole, including most parts of Italy, and below 40° at some central and many northern stations. Lowest value, 24° at Haparanda. Touching or exceeding 60° later in a few British localities, but remaining below it over our area generally, and only just touching 60° at Naples. Maxima above 70° in the Spanish Peninsula, Algeria, and at Constantinople.

Wind at 8 a.m. showing a cyclonic circulation over southern and also over northern Europe. Northerly and North-Westerly winds fresh or strong at some Mediterranean stations and blowing a fresh gale at Brindisi. Light anticyclonic breezes prevailing over the United Kingdom and its vicinity. Decreasing in force in the south later, but a strong South-Westerly gale setting in at Bodö.

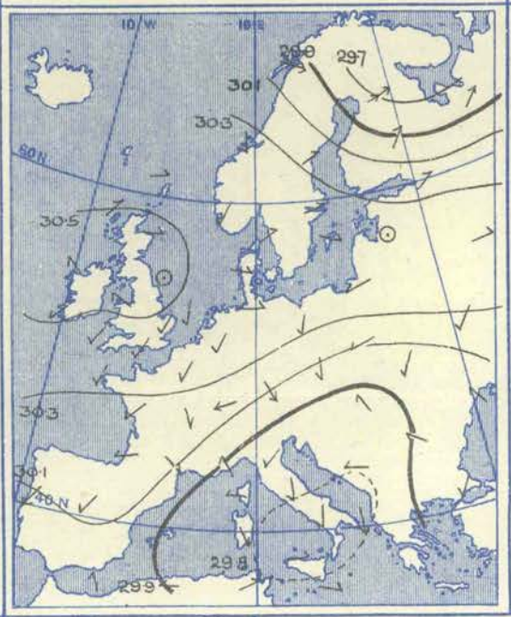
Barometer at 8 a.m. above 30·5 ins. over Ireland and as high as 30·2 ins. in Little Russia. Below 29·7 ins. in a depression over the extreme north of Russia and less than 29·6 ins. in a disturbance centred over Albania. Another depression approaching the north of Norway by evening. Barometer rising decidedly over the central parts of our area and a considerable increase in the gradient taking place over Hungary, the south of Russia, and the north of Scandinavia.

Wednesday, 11th October, 1905.

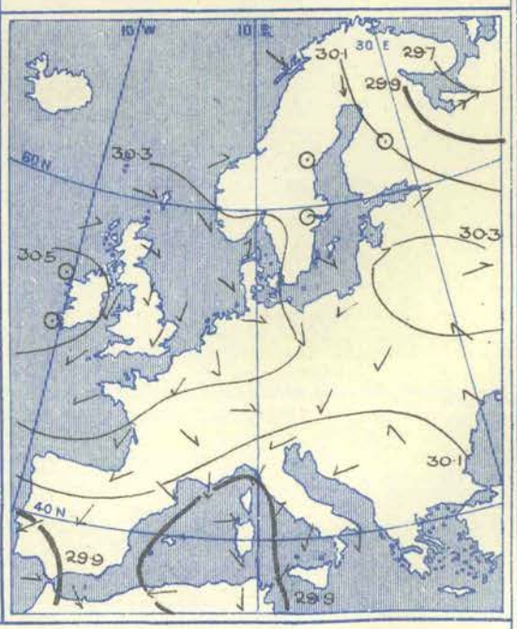
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over Sweden, France, the Spanish Peninsula, and in a few other regions; very cloudy or overcast generally. Rain falling at Palermo, Pesaro, at many stations in central Europe, and at Christiansund, and slight drizzling showers at Oxford and Blacksod Point. Heavy rain later at some Italian stations and considerable amounts in various other Continental regions—largest measurement, 3·1 ins. at Brindisi.

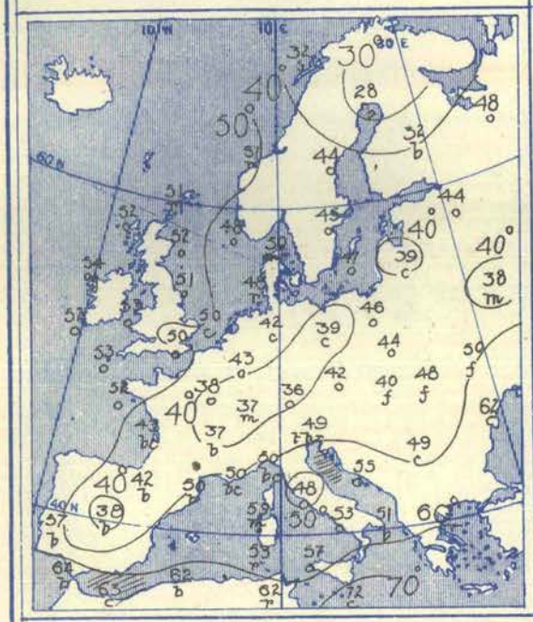
Temperature risen in most parts of northern and central Europe, fallen or changed irregularly elsewhere. Morning readings below 32° in the north-west of Norway and below 40° at Munich, Copenhagen, and some Russian stations, as well as in some localities further south. Below 50° over the northern half of Italy and in central Spain. Highest values, 69° at Malta, 66° at Constantinople, 65° at Algiers, and 64° at Oporto. Maxima about 70° in Algeria, the Spanish Peninsula, and at Malta. Below 60° in some parts of Italy, and not exceeding 50° at some stations in central Europe.

Wind in morning mainly Westerly over northern Europe and North-Easterly in the central and southern countries and over our own southern districts. Moderate in force generally, but strong to a gale in the extreme north. Little change later.

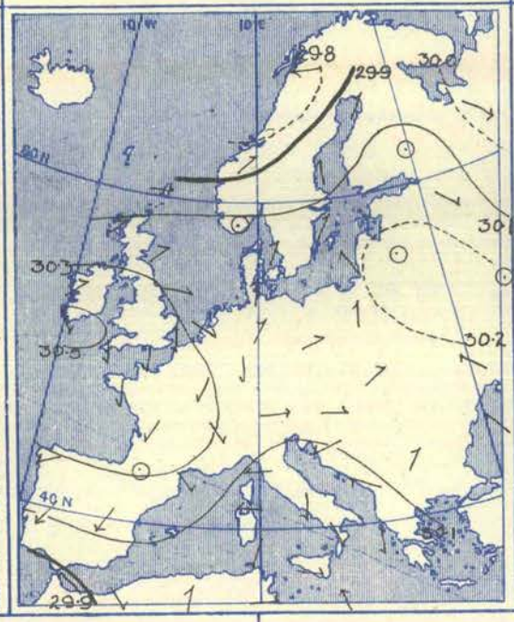
Barometer at 8 a.m. above 30·5 ins. over the greater part of our Islands and above 30·4 ins. in a band extending thence to Moscow. Below 29·8 ins. in Lapland and nearly as low in two minima over the southern half of our area. Northern depression travelling eastwards during day. Pressure giving way slowly over the western countries and anticyclone beginning to recede in a south-westerly direction.

Thursday, 12th October, 1905.

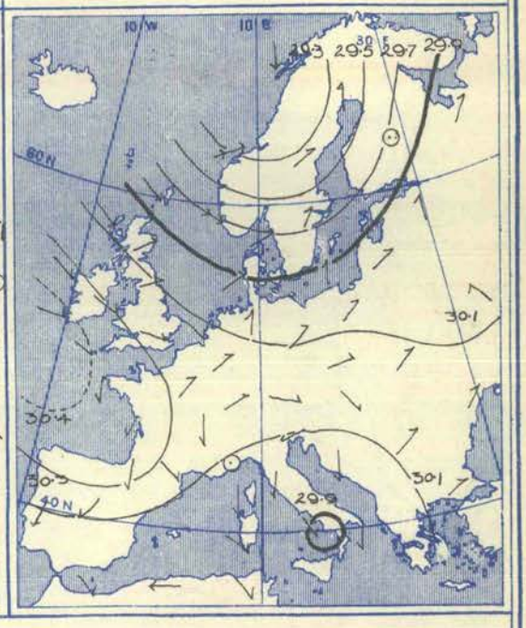
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. dull in most regions, with rain at Fanö and Swinemünde, rain or snow in the north-west of Norway, and fog over a large part of central Europe. Fine and bright in many southern regions, but rainy at Cagliari and La Calle, and a thunderstorm prevailing at Trieste. Rain becoming very general over Italy, Greece, and the north-western countries later; heavy in several localities.

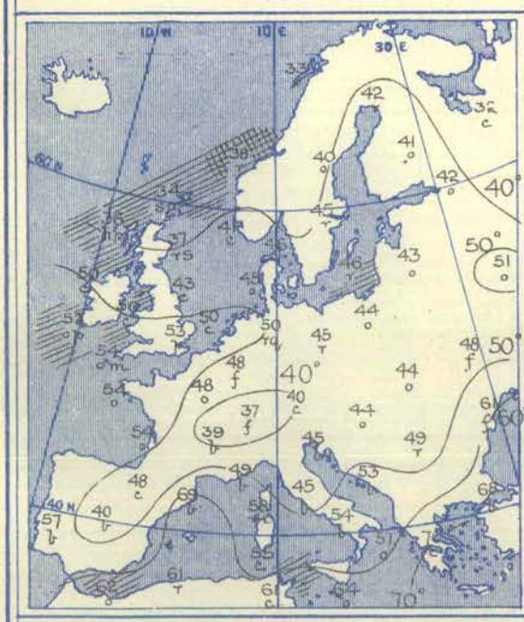
Temperature changed rather irregularly, but fallen in most places. Above 70° at Malta, but below 60° in the south generally and only 38° at Madrid. Less than 50° over the greater part of the Continent and below 40° in various localities. Lowest value, 28° at Haparanda. Exceeding 70° during day at a few stations in the extreme south, but maxima low generally: below 60° in some parts of Italy, and below 50° in Germany. Highest reading in our Islands, 59° at Aberdeen.

Wind in morning Westerly to Southerly at most stations over the north-west of Europe, but Easterly at Bodö. Generally light or moderate from between North and East over the southern countries, but strong in Portugal and the south of Spain. Veering to North-West and increasing somewhat in force later over the north of our Islands and blowing a gale from North-West or South-West along the west coast of Norway.

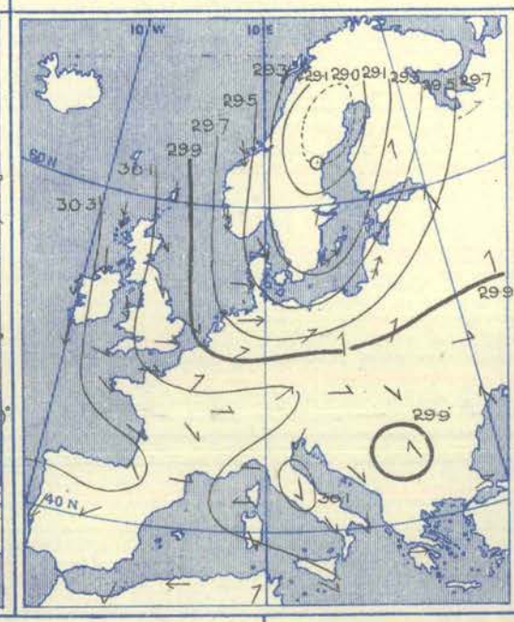
Barometer at 8 a.m. highest, 30·5 ins. and upwards in an anticyclone having its centre over the south-west of Ireland and the adjacent portion of the Atlantic; above 30·2 ins. over the southern half of Russia. Lowest, less than 29·8 ins. in a depression off the north-west of Norway; below 30·0 ins. in other systems over the extreme north of Russia and the central part of the Mediterranean. Norwegian disturbance travelling eastwards later and pressure decreasing in nearly all parts of our area. Anticyclone receding southwards.

Friday, 13th October, 1905.

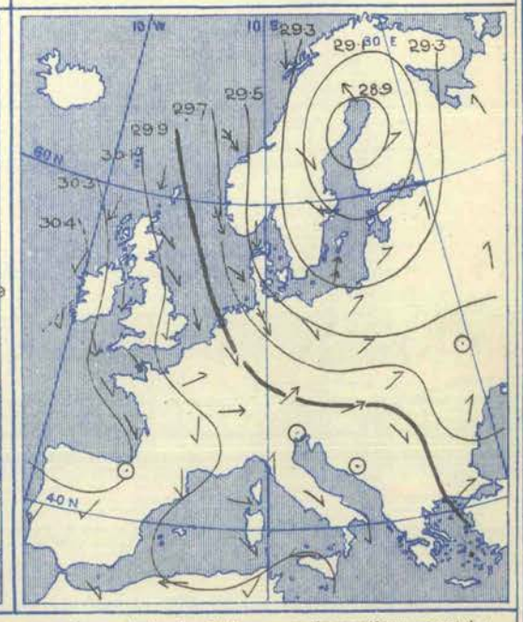
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over Italy, the south of France, and the Spanish Peninsula; cloudy or overcast over our area generally, with snow showers in Scotland, rain showers in various parts of England and Ireland, and steady rain at some stations over the northern half of the Continent. Rain also falling at Algiers and Patras. Hail, snow or rain later in many parts of north-western Europe, and a thunderstorm at Cuxhaven. Rain also experienced over Algeria, as much as 0·75 in. measured at Biskra, and 1·06 in. at Algiers.

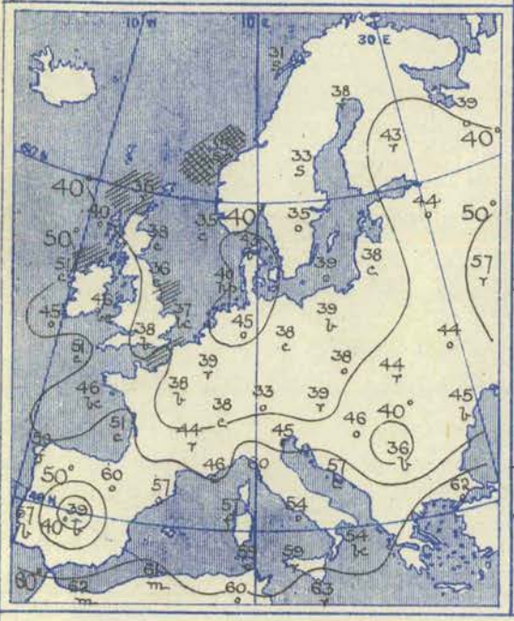
Temperature fallen in most regions—quickly in Scotland—but risen over France and the Netherlands. Morning readings, 70° at Athens, 68° at Constantinople, and a little above 60° in Algeria. As low as 32° at Archangel, 33° at Bodö, and 34° in the Shetlands. Below 50° over the greater part of our area. Thermometer remaining below 50° at many northern stations, and below 45° in the north of Scotland during the day, but rising to above 60° at many southern European stations, to 70° at Tunis and Oran, and 72° at Lisbon.

Wind in morning showing an extensive cyclonic circulation over the northern countries. Northerly current strong over Norway and the United Kingdom, blowing a gale at Stornoway and on the Norwegian coast. Westerly to South-Westerly current strong to a gale over Denmark and the Baltic. Light and variable in most southern regions. Very little change later, continuing to blow strongly or with the force of a gale over the North Sea and the Baltic.

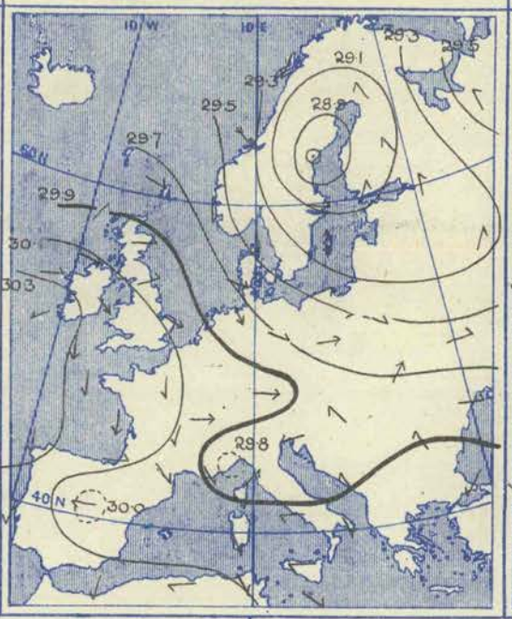
Barometer at 8 a.m. ranging from above 30·3 ins. in an anticyclone extending from the Atlantic to the Bay of Biscay and the west of Ireland, to 29·0 ins. and less in a deep depression over the north of Sweden. Relatively low in some parts of southern Europe. Swedish depression scarcely altering its position during day, and anticyclone continuing to advance from the Atlantic.

Saturday, 14th October, 1905.

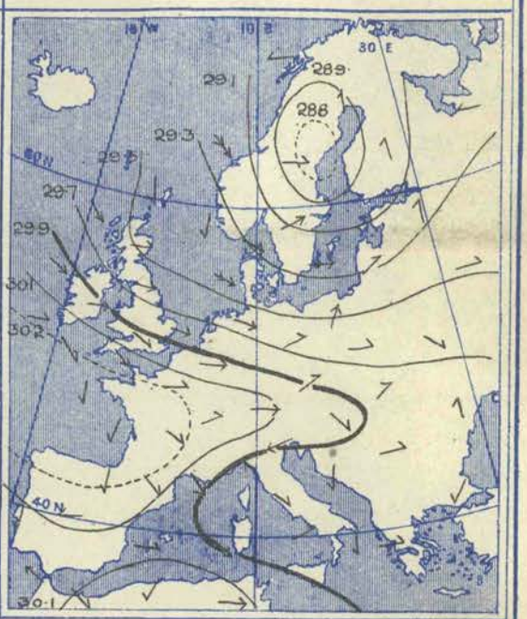
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over England and the adjacent part of the Continent, cloudy or dull elsewhere, with rain or snow in the north of Scotland, and at many of the Baltic and Norwegian stations. Rain also reported from Brussels, Lyons, and Algiers. Rain later over the greater part of these Islands, and snow over northern Europe, rain also experienced over Italy; largest amounts measured, 1·22 in. at Cuxhaven, 1·18 in. at Brindisi, 0·74 in. at Stornoway, and 0·71 in. at Leith.

Temperature fallen in most places. Morning readings highest, 63° at Malta, 62° at Constantinople, and 60° at several southern European stations. Lowest, 31° at Bodö, 33° at Hernösand, 35° at Christiansund, Skudesnaes, and also at Nottingham. Over a considerable part of Great Britain, Scandinavia, Belgium, Germany, and central France readings below 40° recorded. Rising during day to rather above 70° at several stations in Spain, Italy, and Algeria, and touching 60° in some parts of France. Highest over our Islands, 56° at Blacksod Point.

Wind Northerly or North-Westerly over England and the western parts of the Continent. Strong in force on the eastern shores of the North Sea, with a gale on the Norwegian coast. Light from the Southward over the central part of Russia, moderate to strong over the central countries. A cyclonic circulation shown over the south of France and northern Italy, the North-Westerly wind at Cape Sicié blowing with the force of a fresh gale. Over the northern parts of the United Kingdom it had backed to the Westward or South-Westward, but was light or moderate in force. No material change later.

Barometer lowest, 28·90 ins. and less in a deep disturbance over the Gulf of Bothnia, 29·9 ins. and less in a shallower system over the Gulf of Genoa, and 30·0 ins. and less in a small disturbance over central Spain. Highest, 30·3 ins. and upwards over the south of Ireland and the neighbouring parts of the Atlantic. Northern depression remaining almost stationary during day, those over southern Europe dispersing.

IV.—GENERAL NOTES, etc.

One of the principal features of the week was a large and well-formed anticyclone having its central space either immediately over or to the westward of the British Isles. At the commencement of the period low pressure areas were found over north-eastern and south-eastern Europe, but by Tuesday the anticyclone was expanding eastward across the Continent to the Ural Mountains. During Thursday night a deep disturbance reached Scandinavia and the high pressure system then began to give way, decreasing considerably in intensity as its central space passed down the Bay of Biscay at the close of the week. The winds, circulating round the several high and low pressure systems, attained gale force only at a few places in the far north and south of Europe during the earlier part of the period, but Friday and Saturday proved of a boisterous character generally over the northern and north-western regions, fresh or strong Northerly to Westerly gales being experienced in Scandinavia, Denmark and on the Baltic, strong Westerly winds or moderate gales in the British Isles.

Dull, cheerless weather was extensively prevalent, the duration of bright sunshine over our own country being very largely below the normal for the season. Temperature was somewhat variable, but as a rule it was rather under the average, and night minima down to the freezing point and under were becoming more frequent. There were a few heavy falls of rain, mainly towards the close of the period, when falls of hail, sleet, or snow were pretty general over the northern half of the region under observation.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 242.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	9·7	- 9·4	13	- 13
STRATHPEFFER SPA	4·6	-17·2	6	- 24
CRATHES	17·0	—	23	—
BALRUDDERY	21·2	—	29	—
EDINBURGH	19·3	0·0	26	0·0
COCKLE PARK	10·3	—	14	—
NEWCASTLE-on-TYNE	7·5	—	10	—
SALTBURN-by-the-SEA	2·3	—	3	—
YORK	6·3	-14·4	8	-19
SKEGNESS	12·1	—	16	—
CROMER	13·9	—	19	—
LOWESTOFT	26·6	—	36	—
DUNMOW	9·4	—	13	—
SHEFFIELD	8·4	—	11	—
WORKSOP	4·9	- 15·3	7	- 20
MARGATE	14·2	- 11·9	19	- 16
RAMSGATE	17·8	—	23	—
EASTBOURNE	13·8	- 15·2	18	- 20
BRIGHTON	15·8	- 13·8	21	- 18
WORTHING	16·3	—	21	—
BOGNOR	14·1	—	19	—
VENTNOR HOSPITAL	16·4	- 13·5	22	- 18
BOURNEMOUTH	16·4	—	22	—
MARLBOROUGH	7·7	- 16·2	10	- 21
SOUTHPORT	12·7	—	17	—
RHYL	0·5	—	1	—
ABERDOVEY	16·5	—	22	—
TENBY	23·0	- 2·8	31	- 4
TORQUAY	19·2	- 7·6	25	- 10
NEWQUAY	18·2	- 9·0	24	- 12
GUERNSEY	21·7	- 7·1	29	- 9

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration.	Difference from the Mean for the Week.
No. 34, page 200	Geldeston	—	—	—	—	—	—	—	—	4	0·42	-0·04	—	—	—	—
,, 36, ,, 212	Douglas	—	—	—	—	—	—	—	—	—	1·20	+0·37	—	—	—	—
,, 37, ,, 218	Nottingham	—	—	—	—	—	—	—	—	—	—	—	44·5	—	50	—
,, 38, ,, 224	Birmingham	—	—	—	—	—	—	—	—	—	0·03	-0·57	—	—	—	—
,, 38, ,, 228	York	—	—	—	—	—	—	—	—	—	—	—	35·5	+ 9·1	42	+11
,, 39, ,, 230	Cambridge	—	—	—	—	—	—	—	—	—	1·53	+1·03	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. Vol. XXII. (New Series.) } No 42. FORTY-SECOND WEEK, ENDING SATURDAY, OCTOBER 21ST, 1905. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 248.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	56	23	45·2	31·7	38·3	7 below	9	−23	37	+28	1880*	+ 6	520*	− 68
	1. SCOTLAND, EAST	56	24	46·1	32·6	39·1	6 below	11	−24	34	+22	2189	− 29	545	− 97
	2. ENGLAND, N.E.	56	27	47·9	33·7	40·6	7 below	17	−24	32	+26	2611	+188	409	−105
	3. ENGLAND, EAST	57	26	49·1	32·6	41·1	7 below	20	−27	33	+26	2959	+163	382	−181
	4. MIDLAND COUNTIES	57	24	48·1	31·9	39·8	8 below	17	−26	38	+29	2768	+ 19	435	−146
	5. ENGLAND, SOUTH	57	20	49·9	33·4	41·4	8 below	22	−33	34	+30	2975	− 87	302	−113
Principal Grazing Districts.	6. SCOTLAND, WEST	54	23	48·0	30·9	39·2	8 below	17	−23	41	+35	2405	+ 51	357	− 87
	7. ENGLAND, N.W.	54	23	47·7	33·9	40·6	8 below	16	−29	31	+27	2599	+ 16	304	−112
	8. ENGLAND, S.W.	58	21	50·1	33·8	41·7	8 below	23	−31	33	+30	2832	− 28	255	− 61
	9. IRELAND, NORTH	54	19	48·5	34·6	41·4	6 below	18	−24	29	+23	2492	+ 7	300	− 68
	10. IRELAND SOUTH	59	22	51·3	32·9	41·8	7 below	26	−24	36	+32	2922	+100	202	− 68
	— CHANNEL ISLANDS	58	35	52·7	42·9	47·7	6 below	40	−36	0	0	3345	+ 38	55	− 65

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 248.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	6	5 less	221*	+42	39·0*	+ 4·7	21	+ 3	30	+ 5	1061	+ 18	27	0
	1. SCOTLAND, EAST	4	4	4 less	170	+15	20·4	− 4·1	33	+12	48	+17	1254	+ 26	32	+ 1
	2. ENGLAND, N.E.	5	7	1 more	132	−10	14·9	− 4·8	39	+20	54	+28	1384	+ 82	36	+ 2
	3. ENGLAND, EAST	5	4	2 less	135	− 7	16·4	− 2·6	35	+10	48	+14	1506	+ 46	39	+ 1
	4. MIDLAND COUNTIES	3	3	4 less	138	+ 2	17·2	− 4·7	36	+16	49	+22	1304	+ 15	34	0
	5. ENGLAND, SOUTH	3	2	5 less	133	− 1	19·2	− 2·6	36	+11	50	+15	1452	− 18	38	− 1
Principal Grazing Districts.	6. SCOTLAND, WEST	2	1	10 less	164	+ 4	35·0	− 3·2	37	+17	53	+24	1373	+109	36	+ 3
	7. ENGLAND, N.W.	3	4	5 less	153	+ 2	24·0	− 3·0	33	+16	46	+23	1352	+173	35	+ 5
	8. ENGLAND, S.W.	1	1	9 less	148	− 3	24·0	− 5·1	39	+16	53	+22	1391	− 86	37	− 2
	9. IRELAND, NORTH	3	2	7 less	187	+ 5	26·8	− 1·6	36	+16	51	+23	1289	+142	34	+ 4
	10. IRELAND, SOUTH	1	2	8 less	168	+ 5	26·3	− 4·9	36	+13	51	+18	1264	− 46	33	− 1
	— CHANNEL ISLANDS	5	5	5 less	168	+14	21·0	− 3·5	27	+ 1	38	+ 1	1565	−161	41	− 4

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was mainly fair and dry in the western and southern parts of the Kingdom, but very changeable in the north and east, with frequent showers in the north of Scotland and along the east coasts of England. In many places the showers of Sunday and Monday assumed the form of hail or sleet.

Temperature was considerably below the average, the deficit ranging from 6° in Scotland E., Ireland N., and the Channel Islands, to 8° in most of the English districts, and also in Scotland W. The highest readings were observed, as a rule, on Monday, when the thermometer rose to 55° or a trifle above it in all but the north-western districts (comprising Scotland W., England N.W., and Ireland N.) and to 59° in Ireland S. (at Waterford). The lowest readings occurred at various times in different parts of the Kingdom, but at the majority of stations on Monday night or early on Tuesday. In all districts excepting England N.E. and E. and the Channel Islands the sheltered thermometer at some time in the week fell below 25°, the lowest readings reported being 19° at Markree Castle and 20° at Swarraton. At stations, the values for which are not included in the table, a reading of 19° was also recorded at Marlboro' and a reading of 20° at Wokingham.

Rainfall amounted to considerably less than the average in all districts excepting England N.E., where a slight excess was shown. In Scotland W., England S.W., and Ireland S. the total for the week did not exceed one-tenth of an inch.

Bright Sunshine was greatly in excess of the average, more than 50 per cent. of the possible duration being registered in nearly all the Grazing Districts, as well as in England N.E. In the Channel Islands the proportion was only 38 per cent, and in Scotland N. only 30 per cent. Over the country generally the week was one of the brightest experienced in the month of October since the general establishment of sunshine recorders in 1881.

Barometer and Wind. During the greater part of the week the weather was influenced chiefly by a large anticyclone which extended over our western districts from the Atlantic, but in a lesser degree by depressions travelling south-eastwards and southwards across the northern parts of the Continent. The prevailing winds in these Islands were therefore Northerly—inclining to North-West in the north and east, but to North-East in the west and south. In force they were generally light or moderate, but on Thursday, when a depression which had formed near the mouth of the Channel on the previous day moved southwards down the Bay of Biscay, a considerable freshening of the North-East breeze occurred all round our south and east coasts. At the close of the week one of the Continental disturbances advanced in a South-Westerly direction to Holland, and occasioned some increase of wind from North-West along the east coast of England.

4150 370 Wy. & S. Ltd. 10 | 05

II.—DATA from which the SUMMARY on page 247 has been calculated.

Districts. Oct. 15-21, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
O. SCOTLAND, N.	Sumburgh Head	46	32	43·0	34·0	38·4	− 7·0	3	28	7	0·54	− 0·46	*	*	*	*
	Stornoway	51	33	45·6	34·7	40·0	− 5·2	10	27	6	0·46	− 0·74	22·4	+ 3·4	33	+ 5
	Wick	48	29	45·3	32·3	38·6	− 7·0	9	35	7	0·86	+ 0·16	*	*	*	*
	Lairg Ⓢ	56	23	47·4	31·3	39·1	− 4·5	15	39	6	0·66	− 0·21	*	*	*	*
	Glencarron Ⓢ	47	25	43·6	29·5	36·3	− 8·3	4	43	6	0·83	− 1·19	*	*	*	*
	Fort Augustus Ⓢ	53	25	46·4	28·6	37·2	− 9·0	12	48	5	0·26	− 0·68	23·7	+ 10·4	34	+ 15
1. SCOTLAND, E.	Nairn	49	29	45·1	32·9	38·8	− 6·7	9	33	5	0·42	− 0·12	*	*	*	*
	Aberdeen	48	33	44·4	35·0	39·6	− 6·8	7	25	5	0·57	− 0·10	37·5	+ 15·9	54	+ 23
	Braemar Ⓢ	46	24	42·7	30·9	36·6	− 6·0	2	38	4	0·30	− 0·60	*	*	*	*
	Clathick Ⓢ	56	26	50·7	29·6	39·8	− 6·1	24	47	1	0·04	− 0·91	*	*	*	*
	Leith	50	35	48·4	36·9	42·5	− 5·0	25	14	2	0·12	− 0·33	*	*	*	*
	Marchmont Ⓢ	49	28	45·0	30·1	37·3	− 8·0	8	42	6	0·76	− 0·04	27·7	+ 8·9	40	+ 13
2. ENGLAND, N.E	Alnwick Castle	50	32	45·8	34·5	40·0	− 6·6	11	28	6	1·31	+ 0·56	*	*	*	*
	Durham	53	30	47·1	31·9	39·3	− 7·1	14	38	5	0·59	− 0·11	36·3	+ 16·7	51	+ 24
	Shields	50	30	46·3	32·3	39·1	− 8·2	12	36	6	0·90	+ 0·29	*	*	*	*
	Scarborough Ⓜ	54	34	50·5	36·5	43·3	− 4·7	32	15	6	0·96	+ 0·23	35·6	—	50	—
	Spurn Head	51	37	48·4	37·7	42·9	− 6·2	24	12	5	0·59	+ 0·05	*	*	*	*
	Lincoln	52	28	48·3	32·1	40·0	− 7·8	18	38	4	0·36	− 0·18	*	*	*	*
	Fulbeck (Lincolnshire)	56	27	48·7	30·6	39·4	− 7·6	19	43	5	0·33	− 0·22	40·0	—	56	—
3. ENGLAND, E.	Hillington Ⓜ	50	30	46·9	33·2	39·9	− 7·9	14	33	6	0·55	− 0·09	30·5	+ 9·0	42	+ 13
	Yarmouth	52	32	47·1	37·0	41·9	− 7·3	14	20	7	1·18	+ 0·53	*	*	*	*
	Geldeston	55	28	49·1	32·7	40·7	− 8·2	20	36	6	0·58	− 0·02	28·7	+ 4·0	40	+ 6
	Cambridge	57	26	49·4	31·2	40·0	− 8·2	21	41	4	0·15	− 0·39	34·6	+ 10·9	48	+ 15
	Felixstowe	56	30	50·8	34·5	42·4	− 6·4	34	21	5	0·20	—	38·8	—	54	—
	Clacton-on-Sea	56	29	50·3	33·6	41·7	− 7·2	23	33	3	0·11	—	39·1	—	54	—
	Rothamsted	55	29	49·0	32·1	40·3	− 7·1	20	38	3	0·17	− 0·50	41·5	+ 17·4	58	+ 24
	Shoeburyness	56	30	50·1	34·6	42·1	− 7·2	32	21	3	0·18	− 0·34	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	48	29	46·4	32·2	39·1	− 7·3	12	36	4	0·29	− 0·46	50·2	—	70	—
	Bawtry (Hesley Hall)	52	27	47·7	33·0	40·1	− 6·7	16	34	2	0·31	− 0·31	*	*	*	*
	Nottingham	52	28	47·3	33·9	39·9	− 7·7	15	33	3	0·27	− 0·36	28·7	—	40	—
	Colly Weston (Stamford)	54	27	48·4	32·1	40·0	− 7·8	18	37	6	0·42	− 0·18	*	*	*	*
	Cheadle Ⓜ	51	29	45·6	32·1	38·7	− 7·6	10	36	3	0·50	− 0·26	*	*	*	*
	Birmingham (Edgbaston)	55	31	47·5	34·1	40·6	− 6·9	15	30	2	0·14	− 0·50	23·4	—	33	—
	Shrewsbury	56	24	49·3	31·1	39·9	− 7·3	20	41	2	0·26	—	*	*	*	*
	Hereford Ⓜ	56	26	49·2	29·5	39·1	− 8·4	20	47	3	0·18	− 0·45	*	*	*	*
	Cirencester	55	25	48·9	30·5	39·4	− 7·6	19	43	2	0·31	− 0·41	36·9	+ 14·4	51	+ 20
	Oxford	57	29	51·0	31·7	41·1	− 7·2	25	41	1	0·15	− 0·45	40·0	+ 17·5	56	+ 24
	Westminster	56	29	50·4	33·4	41·7	− 7·1	24	35	2	0·20	—	31·2	+ 16·2	43	+ 23
5. ENGLAND, S.	London (Brixton)	57	29	50·7	33·4	41·8	− 7·4	24	34	2	0·19	− 0·41	33·3‡	+ 16·1‡	46‡	+ 22‡
	Wisley (Surrey)	56	27	49·8	31·4	40·3	− 9·7	22	40	2	0·24	—	42·2	—	59	—
	Swarraton (Alresford) Ⓜ	54	20	49·1	27·7	38·1	− 9·3	20	53	2	0·20	− 0·56	*	*	*	*
	Tunbridge Wells Ⓜ	54	26	49·6	32·1	40·6	− 7·8	21	38	3	0·20	—	42·4	—	59	—
	Dungeness	57	25	49·7	32·4	40·8	−10·0	22	37	5	0·52	− 0·22	31·5	—	44	—
	Hastings (St. Leonards)	55	32	50·0	36·6	43·1	− 7·5	30	15	4	0·20	− 0·64	41·5	+ 14·5	57	+ 20
	Southampton	57	27	52·5	34·4	43·2	− 7·1	40	21	2	0·13	− 0·63	36·0	+ 10·7	50	+ 15
	Portland Bill	57	36	50·7	38·6	44·5	− 5·9	32	10	2	0·22	—	*	*	*	*
	Shaftesbury Ⓜ	52	31	47·3	34·3	40·6	− 6·8	15	29	1	0·21	− 0·64	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	54	27	48·8	30·4	39·3	− 8·0	19	43	1	0·03	− 1·63	*	*	*	*
	Glasgow	53	28	46·4	31·5	38·7	− 7·5	12	38	1	0·01	− 0·83	30·1	+ 14·9	43	+ 21
	Cally Ⓢ	54	23	49·3	28·8	38·8	− 7·9	20	50	1	0·26	− 0·82	*	*	*	*
	Aspatria	51	28	47·1	29·0	37·8	− 9·0	14	47	2	0·13	—	39·2	—	55	—
	Douglas (Isle of Man)	54	30	48·5	34·9	41·5	− 6·5	18	28	4	0·19	− 0·82	42·5	+ 19·7	60	+ 28
7. ENGLAND, N.W.	Newton Rigg	51	23	47·0	26·7	36·6	− 9·3	14	55	3	0·14	—	33·5	—	47	—
	Stonyhurst	51	27	45·9	31·8	38·6	− 8·3	11	37	2	0·47	− 0·66	36·9	+ 17·4	51	+ 24
	Blackpool Ⓜ	54	29	48·4	31·9	39·9	− 8·5	18	38	2	0·19	− 0·75	40·2	+ 20·6	56	+ 29
	Manchester (Prestwich)	52	27	47·2	32·4	39·6	− 7·7	15	36	2	0·51	− 0·41	30·0	—	42	—
	Liverpool Obsy. (Bidston)	52	34	46·9	37·3	42·0	− 6·8	14	13	3	0·66	− 0·12	35·9	—	50	—
	Chester (Hawarden Bridge)	54	29	48·5	35·1	41·6	− 7·6	18	27	2	0·42	—	*	*	*	*
	Llandudno Ⓜ	54	33	48·8	38·9	43·7	− 6·3	25	9	4	0·55	− 0·35	29·9	+ 10·7	42	+ 15
	Holyhead	54	36	48·6	38·9	43·6	− 6·8	24	9	4	0·24	− 0·72	*	*	*	*
	Bettws-y-Coed	54	26	48·4	32·3	40·1	− 9·1	18	37	6	0·63	—	25·6	—	36	—
8. ENGLAND, S.W.	Llangammarch Wells	55	21	48·1	27·8	37·7	− 8·4	17	52	1	0·08	—	—	—	—	—
	Pembroke	56	38	51·0	40·0	45·3	− 5·7	32	6	1	0·05	− 0·89	51·0	+ 27·9	71	+ 39
	Cardiff	56	25	50·5	31·0	40·5	− 9·3	24	43	1	0·03	—	*	*	*	*
	Clifton	55	31	49·0	34·0	41·3	− 7·4	20	32	1	0·06	− 0·79	*	*	*	*
	Bath	56	24	50·0	29·0	39·2	− 9·6	22	49	1	0·06	− 0·63	32·2	—	45	—
	Arlington (N. Devon)	54	29	48·9	33·3	40·9	− 7·9	19	34	2	0·24	− 1·16	*	*	*	*
	Cullompton Ⓜ	56	25	50·1	32·7	41·1	− 6·9	23	36	2	0·07	− 0·81	28·2	+ 6·7	39	+ 9
	Falmouth	58	36	50·9	40·7	45·7	− 5·7	31	4	1	0·17	− 1·03	38·3	+ 12·1	53	+ 17
	Plymouth	58	31	52·2	35·6	43·7	− 7·1	39	18	1	0·02	− 0·83	39·5	+ 15·8	54	+ 22
9. IRELAND, N.	Malin Head	49	39	47·0	40·7	43·8	− 4·8	18	4	4	0·34	− 0·34	*	*	*	*
	Edenfel (Omagh)	49	22	47·3	31·1	39·0	− 6·6	15	40	1	0·04	− 0·82	*	*	*	*
	Blacksod Point	54	30	49·4	39·1	44·1	− 5·6	27	8	3	0·17	− 1·01	*	*	*	*
	Markree Castle	53	19	49·7	27·7	38·4	− 8·4	22	53	2	0·24	− 0·71	30·2	+ 10·5	43	+ 15
	Armagh	52	26	49·7	30·9	40·0	− 6·6	22	42	1	0·09	− 0·57	41·8	+ 21·7	59	+ 31
	Donaghadee	51	35	48·0	38·1	42·9	− 5·3	23	11	4	0·12	− 0·58	*	*	*	*
10. IRELAND, S.	Dublin	56	29	49·2	35·6	42·2	− 6·7	28	18	3	0·15	− 0·50	32·4	+ 7·9	45	+ 11
	Birr Castle	56	22	49·9	29·0	39·1	− 8·0	22	49	1	0·05	− 0·61	34·4	+ 12·2	48	+ 17
	Kilkenny	57	22	50·4	27·7	38·7	− 9·3	24	53	1	0·07	− 0·63	*	*	*	*
	Waterford	59	26	53·1	32·3	42·4	− 6·7	44	27	1	0·02	− 0·87	*	*	*	*
	Roche's Point	58	34	52·0	36·1	43·8	− 6·8	37	17	1	0·06	− 0·89	*	*	*	*
	Valencia	56	31	52·7	36·9	44·6	− 6·4	40	14	2	0·18	− 1·08	42·3	+ 19·4	59	+ 27
	Killarney	56	27	53·9	31·9	42·6	− 7·2	47	28	1	0·59	− 0·70	*	*	*	*
	Foynes	56	29	49·1	33·9	41·3	− 7·2	20	32	1	0·14	− 0·72	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	58	41	53·0	43·4	48·1	− 5·2	43	0	3	0·12	− 0·74	34·5	+ 9·0	47	+ 12
	Jersey (St. Aubyn's)	58	35	52·4	42·3	47·2	− 6·0	36	0	6	0·81	− 0·19	22·2	− 6·5	30	− 9

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

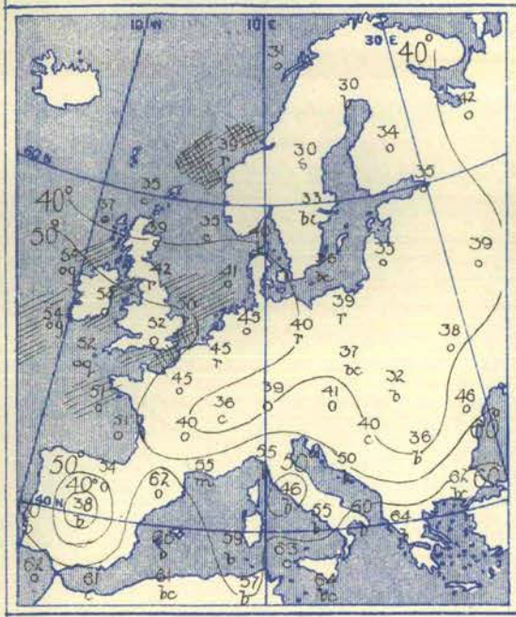
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 31 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

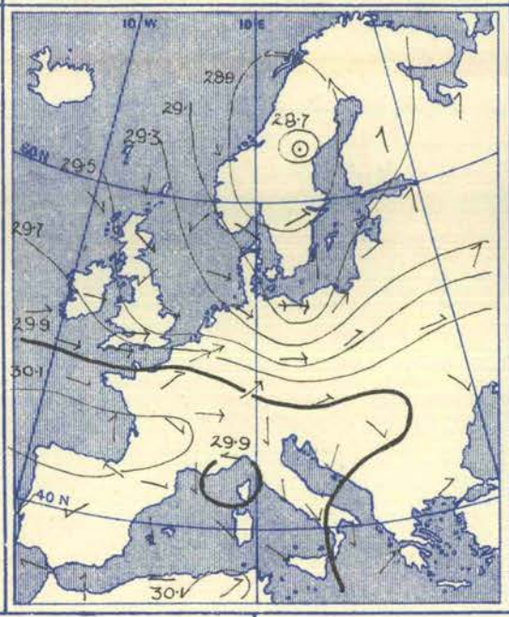
Note.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 15th October, 1905.

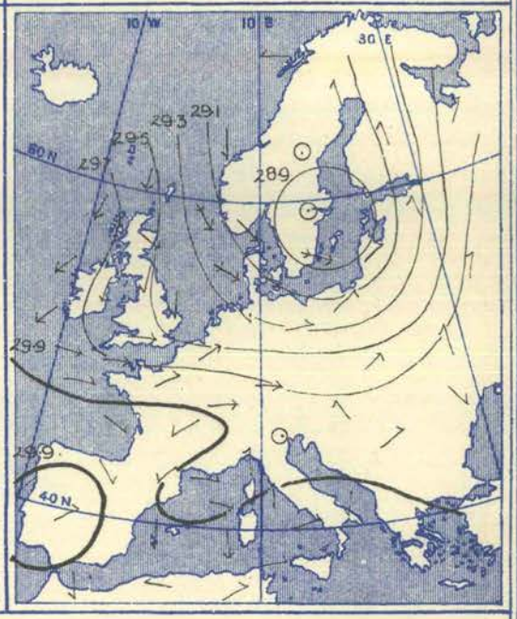
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather cloudy or dull as a whole, but fine and bright at many southern stations. Rain falling in the north of Ireland and on the east coast of England, as well as in Holland, North Germany, and at Christiansund; snow at Hernösand. Rain later over the whole of our Islands, North France, Germany, and Italy, and hail, sleet or snow at the northern stations.

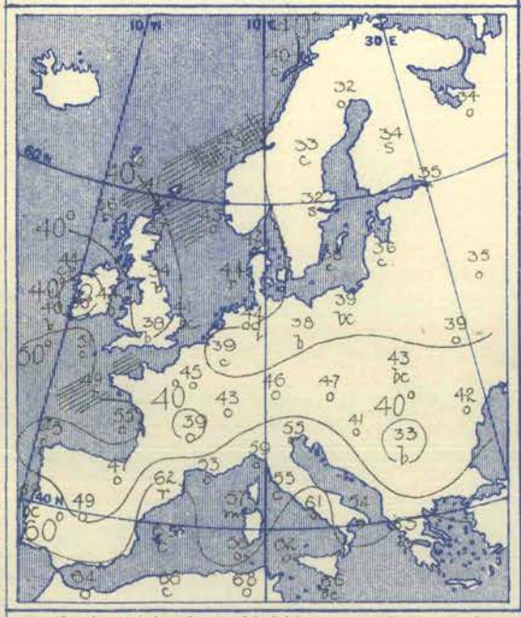
Temperature risen decidedly over Ireland, England, and the north of France; changed irregularly elsewhere. Morning readings highest, 66° at Palma, 64° at Malta, Athens, and Patras, and 63° at Palermo. Highest in our Islands, 54° at several stations in Ireland, as well as at Holyhead, Bath, and Portland. Lowest, (1) 30° at Kuopio and Hernösand, 31° at Haparanda, and 33° at Karlstad, (2) 32° at Lemberg and 36° at Hermanstadt, (3) 38° at Madrid. Rising during day to between 65° and 60° at many of our western, southern and east coast stations, but not exceeding 39° at Aberdeen. Exceeding 70° at several Mediterranean stations and reaching 82° at La Calle and 84° at Tunis.

Wind cyclonic over the North Sea, Scandinavia, North Germany, and the Baltic Provinces, blowing strongly or with the force of a gale in many places, strong from the Westward or South-Westward over England, the greater part of France, and the central countries, light and variable over the southern regions. Veering to the Northward over our Islands during the day and blowing freshly or strongly in most places.

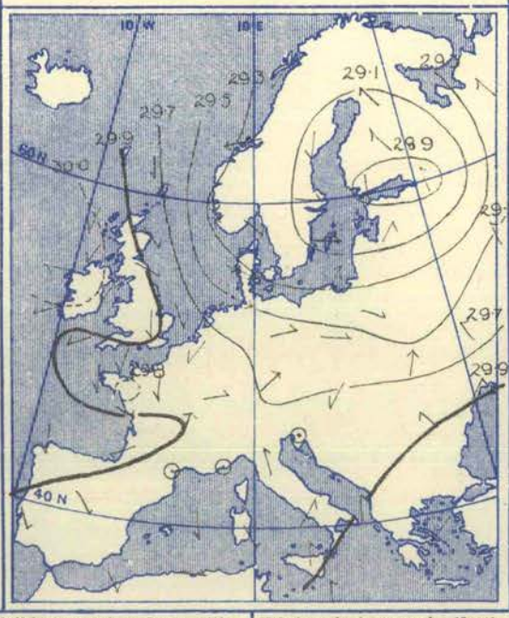
Barometer highest, 30·1 ins. and upwards over the south-west of France and the southern parts of the Bay of Biscay, and also in a small anticyclone over the eastern part of Algeria. Lowest, 28·7 ins. and less in the central area of a large and somewhat deep cyclonic system, covering nearly the whole of Scandinavia and the Gulf of Bothnia, and 29·9 ins. and less in a shallow disturbance over the Gulf of Genoa and Corsica. Northern depression moving a little to the south-eastward during day, southern depression dispersing; but new shallow low pressure system appearing over the Spanish Peninsula.

Monday, 16th October, 1905.

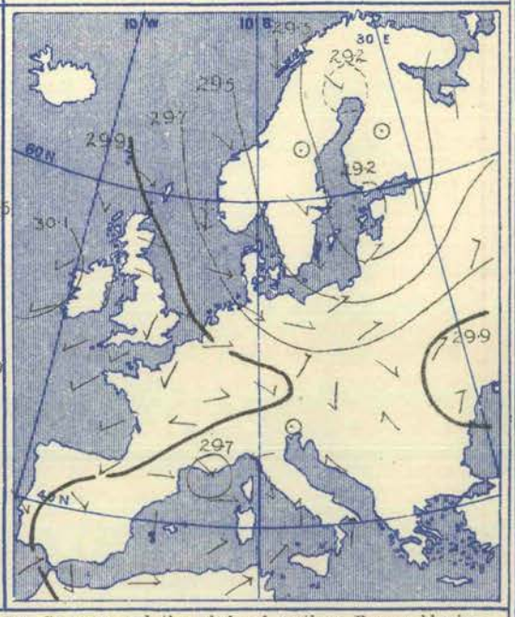
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over our Islands, cloudy or dull in most other places, with rain at Christiansund, St. Petersburg, Fanö, and Barcelona, snow at Uleaborg and Stockholm, and hail and snow showers at Wick. Rain later over Germany, the east of France, and some parts of Italy, and also at many of our northern and north-western stations, snow at Sumburgh Head and on the west coast of Norway.

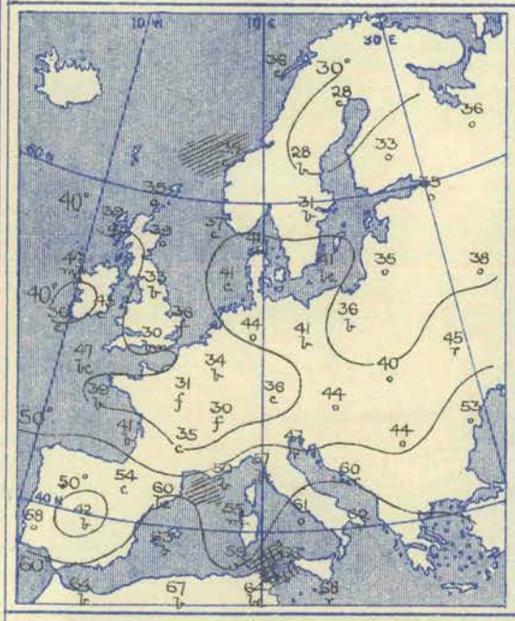
Temperature fallen decidedly over our Islands and also at many Continental stations. Highest in morning, 68° at La Calle, 66° at Algiers and Malta, and slightly above 60° at several places in southern Europe. Lowest, (1) 29° at Birr Castle, 34° at Shields, and 35° at Nairn, Bath, and Oxford, (2) 31° at Karlstad, 32° at Uleaborg and Stockholm, (3) 33° at Hermanstadt, 39° at Lyons. Sharp frost at night in several places, the thermometer falling to 24° at Bath, 25° at Dungeness, and 28° at Nottingham, and on the grass to 19° in London and 20° at Oxford. Rising during day to between 50° and 55° at some Irish and English stations, but failing to reach 45° in many localities. Exceeding 70° at several Mediterranean stations, and touching 82° at La Calle and 84° at Tunis.

Wind cyclonic over the North Sea, Germany, and the whole of northern Europe, blowing strongly in many places, and with the force of a gale on the eastern shores of the North Sea; Northerly to North-Easterly over our Islands and the north of France, light and variable over the southern countries. Gales over the North Sea subsiding later. No other material change.

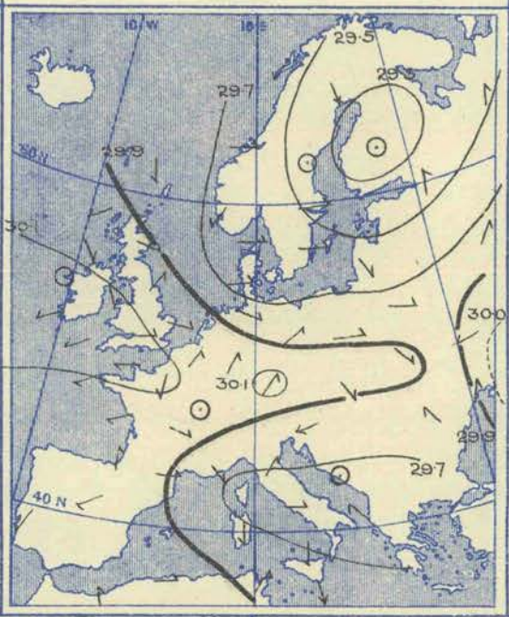
Barometer highest, 30·0 ins. and upwards over our western districts. Lowest, 28·9 ins. and less in the centre of a large depression covering the whole of northern, north-western, and central Europe, and 29·8 ins. and less in a very small system near the mouth of the Loire. Northern disturbance filling up later and dividing into two parts, and new shallow depression over the south of France.

Tuesday, 17th October, 1905.

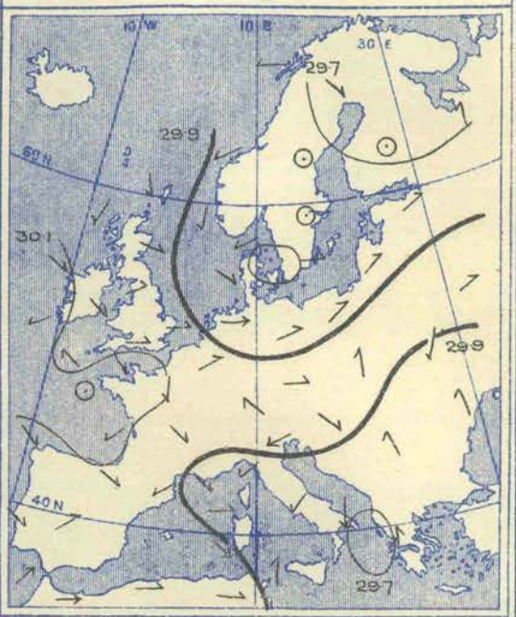
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning mostly fair over our Islands and the adjacent parts of the Continent, but cloudy or dull in most other places, with showers at Blacksod Point, drizzle at Stornoway, and rain at several stations in southern Europe. Rain later in Scotland, and at many Irish and English stations, as well as in a few places in Germany, Austria, and Italy, and snow at Christiansund and over northern Russia.

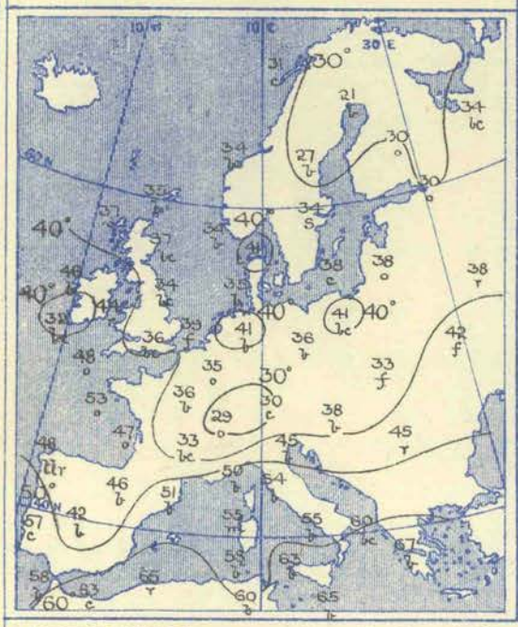
Temperature fallen in most places, but risen over south-eastern Europe. Morning readings highest, 68° at Malta and Sfax, 67° at Algiers, and 66° at Palermo, 60° or rather above at several stations over the southern regions. Lowest, (1) 30° in London and Bath, 31° at Nottingham, (2) 28° at Haparanda and Hernösand, (3) 30° at Belfort, 31° at Paris, 33° at Le Mans, and 35° at Lyons. Frost experienced at several of our inland stations at night, the thermometer registering 25° at Bath and 28° at Birr Castle, and falling to 23° on the grass at Oxford, and to 24° in London. Highest maxima recorded over our Islands, 55° at Plymouth and 53° at Torquay. Remaining cool on the Continent generally, but rising to above 70° at several southern stations, reaching 77° at Sfax.

Wind remaining cyclonic over northern Europe, but less strong in force. Mainly Northerly and Westerly in our Islands, Easterly over the Bay of Biscay and the Spanish Peninsula, chiefly Westerly over the central regions. Generally cyclonic over the Mediterranean, blowing freshly at a few stations. No change of importance later beyond the setting in of another cyclonic circulation over southern Scandinavia and the Kattegat.

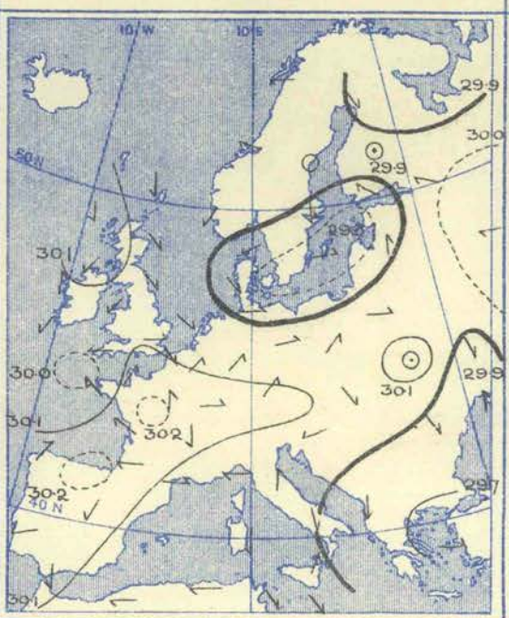
Barometer highest, 30·1 ins. and upwards over Ireland, the greater part of England, and northern France, and 30·0 ins. and upwards over the south of Russia. Lowest, 29·3 ins. and less in a depression over Finland and the White Sea, and 29·7 ins. and less in a cyclonic system covering Italy, the Adriatic, and the Balkan Provinces. Northern disturbance travelling northwards later. Southern depression passing away to the eastward, and new shallow system forming over the south of Scandinavia.

Wednesday, 18th October, 1905.

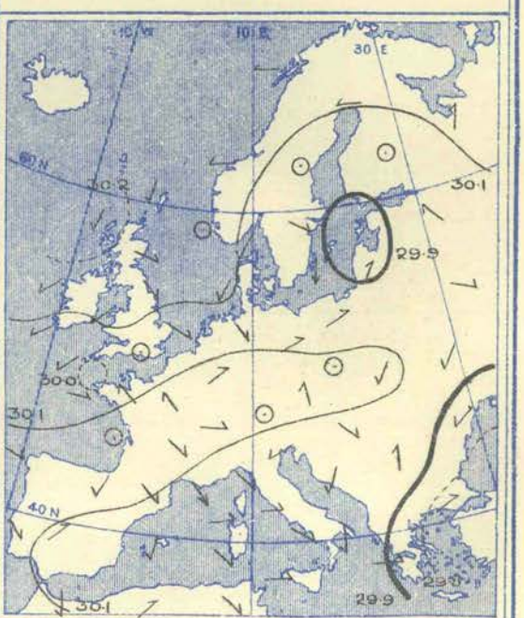
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over our eastern and southern districts, and at many of the neighbouring Continental stations, cloudy or dull in most other places, with rain in North Wales, as well as at Moscow, Berlin, Swinemünde and Algiers; snow at Stockholm. Rain later over the English Channel and Brittany, as much as 1·58 in. measured at Brest, 1·22 in. at Ouessant, and 0·91 in. at Ste.-Mathieu; Jersey recorded 0·54 in. Showers of cold rain, hail or snow were experienced at many northern stations.

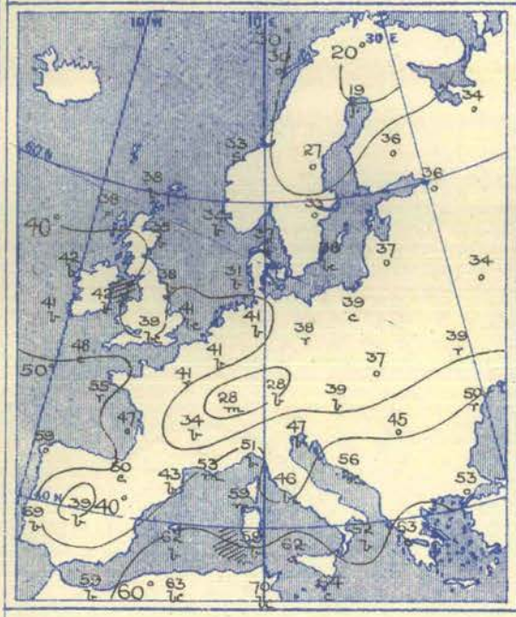
Temperature risen somewhat over England, fallen in most other countries. Morning readings highest, 67° at Athens, 66° at Oran, 65° at Algiers and Malta. Lowest, (1) 21° at Haparanda, 27° at Uleaborg and Hernösand, and 30° at Karlstad, (2) 28° at Bath, 32° at Valencia (Ireland), and 33° at Oxford, (3) 29° at Belfort, 30° at Munich. During the night frost was experienced in many places, the thermometer falling to 29° at Nairn, 30° at Towyn and Folkestone, and 32° at Bettws-y-coed and Oxford. In the course of the day temperature rose to between 50° and 54° in several parts of England and Ireland; readings of 60° and above were only recorded over the Mediterranean.

Wind showing an anticyclonic circulation of moderate or fresh breezes both over northern and southern Europe. Northerly and North-Easterly light or moderate in force over the greater part of these Islands, light and variable in France, and mainly Westerly over Germany. No important change later.

Barometer highest, 30·1 ins. and upwards in an anticyclone covering the Spanish Peninsula, France, and western Germany, and also in two other systems, one lying over our north-westerly districts, the other over central Russia. Lowest, 29·70 ins. and less in a shallow disturbance over Greece and Asia Minor, 29·8 ins. and less over the south of Scandinavia and the Baltic, 29·9 ins. and less over northern Russia, and 30·0 ins. and less in a small centre situated at the mouth of the English Channel. No great change later beyond the advance of the latter system in a south-easterly direction towards France.

Thursday, 19th October, 1905.

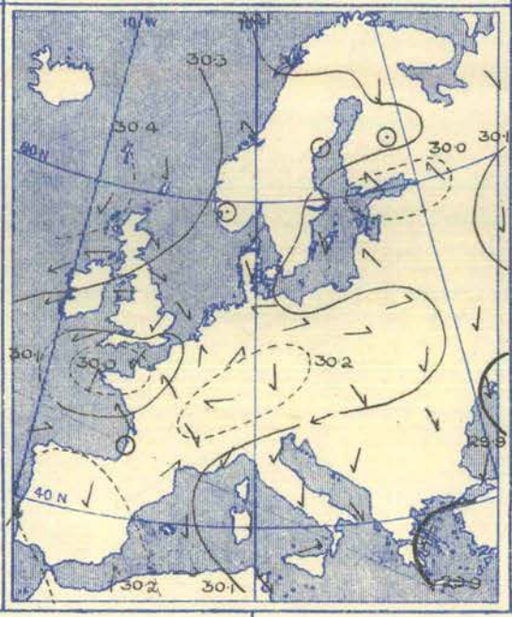
Temperature and Weather. 8 a.m.

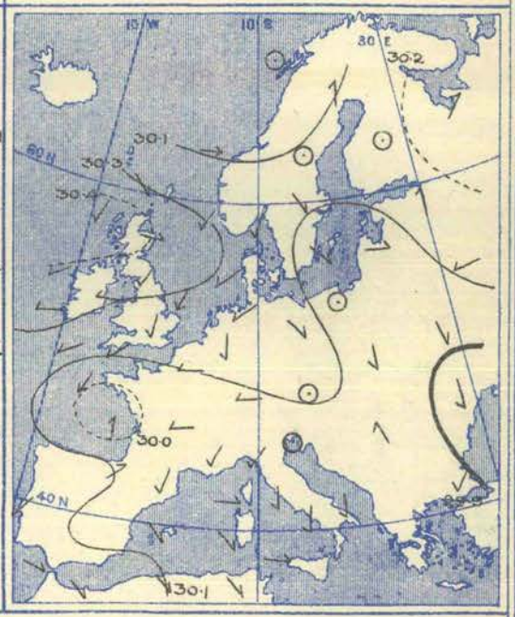


Weather at 8 a.m. fine and bright in nearly all parts of our Islands, Denmark, the Netherlands, and many parts of southern Europe; variable elsewhere, with rain at Dungeness, Brest, Oporto and Berlin, as well as in the south of Russia, and snow at Christiansund. Heavy rain later over France and in different parts of Scandinavia and Russia, and smaller quantities in several other regions.

Temperature changed irregularly. Readings at 8 a.m., as high as 70° at Sfax and above 60° at one or two other stations in the far south. As low as 19° at Haparanda, below 32° at some other northern stations and in the north of Scotland, at Belfort and Munich. Below 40° over Europe generally. Rising later to 73° at Algiers and Brindisi, to between 60° and 70° in the south as a whole, and to above 50° at a few of our own stations. Remaining below 50° over the greater part of Europe, and not touching 32° in the north of Sweden.

Barometer and Wind. 8 a.m. and 6 p.m.



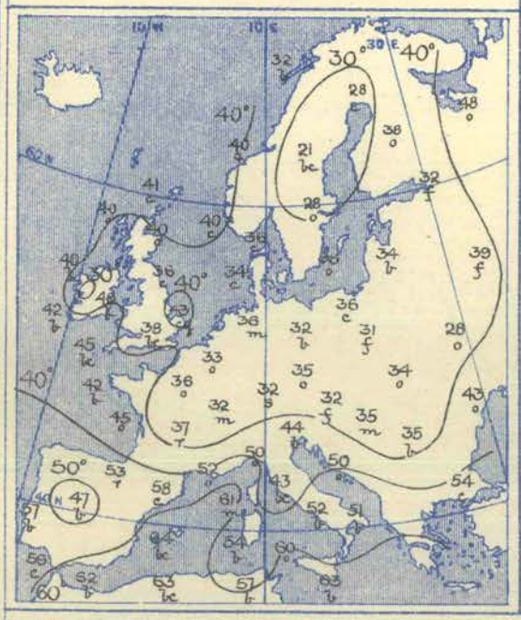


Wind at at 8 a.m. varying greatly. Generally Northerly or North-Easterly over the United Kingdom and the northern portion of the Continent, and also over Italy and the south of Russia. Moderate or fresh in force in a few localities, but light as a whole. Little change later except some increase in strength in the east of England, and the setting in of a moderate gale from West at Christiansund.

Barometer in morning ranging from 30·4 ins. to the north-westward of our Islands, above 30·2 ins. over the Spanish Peninsula and part of central Europe, to less than 30·0 ins. over Brittany, the greater part of Italy, the Gulf of Finland, and the adjacent portion of Russia, and to below 29·9 ins. over the Black Sea. Another depression appearing over the northern half of Scandinavia later in day. Depression over Brittany moving southwards.

Friday, 20th October, 1905.

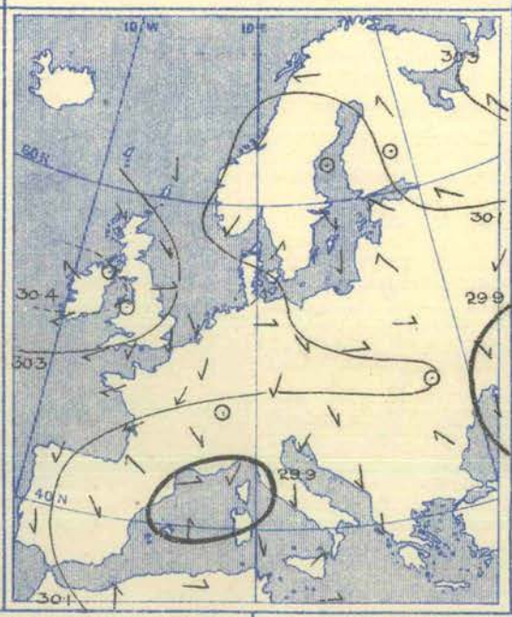
Temperature and Weather. 8 a.m.

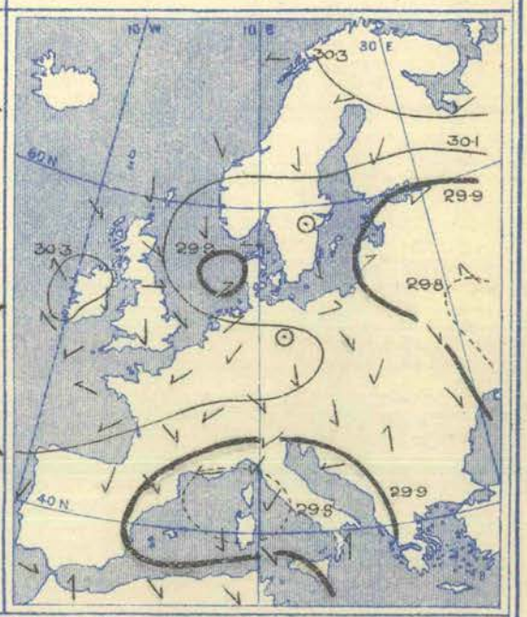


Weather in morning dull and cloudy over the south of France, as well as at many stations in Russia and central Europe. Rain falling at Lyons and Perpignan and snow at Munich, fog in some parts of Germany and Russia; fine and dry in most other places. Rain later in Italy, the south of France, and in many parts of England and Scotland; snow at several northern stations.

Temperature risen over Scotland and on the eastern shores of the North Sea, fallen in most other places. Morning readings highest, 64° at Patras, 63° at Malta and Algiers, 62° at Oran, and 61° at Sanguinaires. Lowest, (1) 21° at Hernösand and 24° at Karlstad, (2) 25° at Birr Castle, 31° at Bath, 32° at Oxford, (3) 21° at Varsovie and 32° at Berlin, Vienna, Munich, and Lyons. Rising subsequently to slightly above 50° at a few of our south coast stations, to above 60° in the south of France, and exceeding 70° in many parts of Italy and Algeria. Severe frost during the night over the inland districts of Ireland and England, the shade minimum at Birr Castle falling to 22°, and to 20° on the grass at Oxford and in London.

Barometer and Wind. 8 a.m. and 6 p.m.





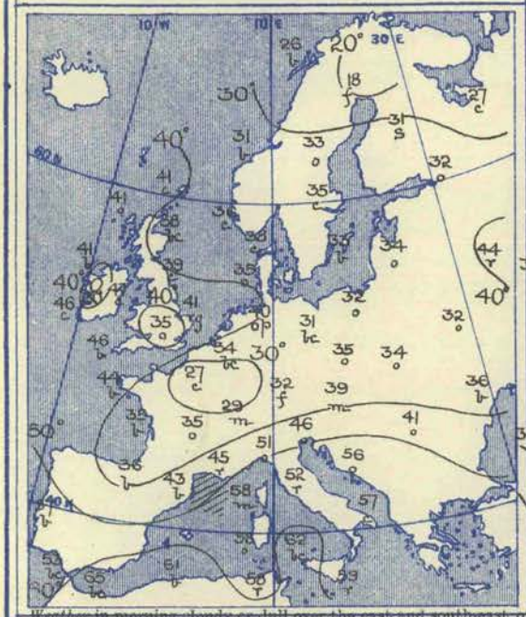
Wind North-Westerly to North-Easterly light to moderate in force over our Islands and the neighbouring parts of the Continent, light and variable over northern and central Europe, and cyclonic over southern Europe and the Mediterranean. Cyclonic circulation appearing over Denmark later. No material change elsewhere.

Barometer highest, 30·4 ins. and upwards over Ireland and 30·3 ins. and upwards in another high pressure system over northern Russia. Lowest, 29·8 ins. and less over the Black Sea and the south of Russia, and 29·9 ins. and less in a shallow disturbance over the central Mediterranean districts. New depression forming over the eastern part of the North Sea and Denmark later, and western anticyclone becoming considerably reduced in height.

Saturday, 21st October, 1905.

Temperature and Weather.

8 a.m.

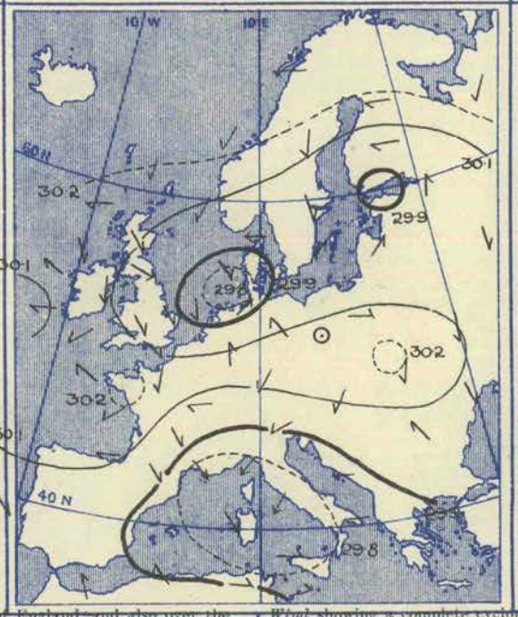


Weather in morning cloudy or dull over the east and south-east of England, and also over the greater part of the Continent, fine and bright in Ireland, at many of the Scotch stations, as well as in the west of France. Rain falling at Yarmouth, and also at Nice, Malta, Rome, and Moscow, and showers at Spurn Head and Cuxhaven, snow at Kuopio. Rain later in many parts of England and Scotland, and also over the southern regions, snow over Sweden and at some Russian stations; largest amounts, 1·73 in. at Pesaro, 1·02 in. at Naples, 0·79 in. at Brindisi, and as much as 2·36 ins. at Lesina.

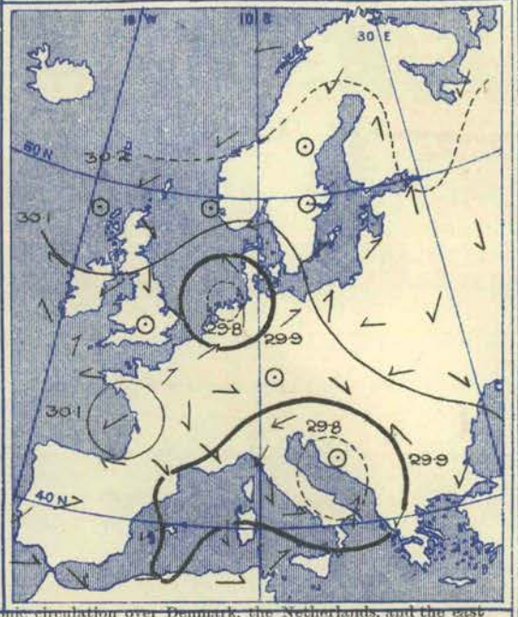
Temperature changed irregularly over our Islands, fallen at most of the Continental stations. Morning readings highest, 67° at Sfax, 65° at Oran, 62° at Palermo, and 61° at Algiers. Lowest, (1) 24° at Birr Castle, 32° at Bath, 35° in London, 36° at Nottingham, (2) 18° at Haparanda, 26° at Bodö, 27° at Archangel, 31° at Christiansund and Kuopio, (3) 28° at Frankfort, 31° at Berlin, 30° at Varsovie. Rising during day to above 60° at many southern European stations and to 70° or slightly above in Algeria and southern Italy. Night again cold over the inland parts of Ireland and England, sheltered thermometer falling to 22° at Birr Castle, 25° at Bath, 27° at Oxford, 29° in London, 31° at Clacton-on-Sea, to 16° on the grass at Oxford and 18° in London.

Barometer and Wind.

8 a.m.



6 p.m.



Wind showing a complete cyclonic circulation over Denmark, the Netherlands, and the east of England, blowing freshly in many places, also blowing cyclonically over the Mediterranean. Light to moderate Northerly to Easterly breezes reported from Scotland, Ireland, the Bay of Biscay, and the west of France, and variable airs elsewhere. No important change later.

Barometer highest, 30·2 ins. and upwards over northern Europe. Lowest, 29·8 ins. and less in two well marked disturbances lying respectively over the southern part of the North Sea and the adjacent districts, and over Italy and the Mediterranean, and 29·9 ins. and less in a small centre over the Gulf of Finland. Southern disturbance moving eastwards later, that over the southern part of the North Sea scarcely altering its position.

IV.—GENERAL NOTES, etc.

The distribution of pressure underwent considerable changes in the course of the week. For the most part the anticyclones of the period were in the neighbourhood of the British Isles or the western portion of the Continent, while depressions mainly affected the extreme northern, southern, and south-eastern parts of Europe. After the middle of the week, however, cyclonic disturbances visited France and the low countries. The region of highest pressure was over our western and north-western coasts on Thursday and Friday, when the barometer stood above 30·4 ins.; the lowest pressure being found on the Swedish coast at the commencement of the week, the mercury being below 28·7 ins. This deep depression was associated with moderate to fresh or strong gales from Northerly to Westerly and South-Westerly directions over a great part of the northern half of Europe on Sunday, but the disturbance was of less intensity afterwards and in the course of Monday the gales moderated. Subsequently light to moderate breezes prevailed extensively, there being very few instances of a greater force than a strong breeze. With so many separate systems the direction of the wind varied considerably, but a polar current was experienced over our Islands most of the time.

Notwithstanding much fine and brilliantly sunny weather the period was marked by unusually severe cold, temperature being low in nearly all parts of our area, with very sharp frosts almost nightly. There was but little rain on our side of the Channel at any time, but some of the low pressure systems occasioned heavy falls at a number of Continental stations, ranging upwards to nearly 2½ ins. at Pesaro on Saturday.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 248.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	16·3	− 1·4	24	− 2
STRATHPEFFER SPA	21·3	+ 0·9	31	+ 1
CRATHES	33·7	—	48	—
BALRUDDERY	38·9	—	56	—
EDINBURGH	28·7	+11·0	41	+ 16
COCKLE PARK	41·9	—	59	—
NEWCASTLE-on-TYNE	31·5	—	44	—
SALTBURN-by-the-SEA	33·2	—	47	—
YORK	41·8	+23·1	58	+ 32
SKEGNESS	41·5	—	58	—
CROMER	30·7	—	43	—
LOWESTOFT	31·9	—	44	—
DUNMOW	29·9	—	55	—
SHEFFIELD	36·2	—	50	—
WORKSOP	34·1	+ 15·5	47	+ 22
MARGATE	34·0	+ 10·0	47	+ 14
RAMSGATE	36·3	—	50	—
EASTBOURNE	33·6	+ 7·0	46	+ 10
BRIGHTON	37·8	+ 10·3	52	+ 14
WORTHING	39·4	—	54	—
BOGNOR	42·4	—	58	—
VENTNOR HOSPITAL	34·9	+ 7·3	48	+ 10
BOURNEMOUTH	26·9	—	51	—
MARLBOROUGH	33·8	+ 11·9	47	+ 17
SOUTHPORT	34·8	—	48	—
RHYL	31·1	—	43	—
ABERDOVEY	33·8	—	47	—
TENBY	49·4	+ 25·6	69	+ 36
TORQUAY	29·8	+ 5·4	41	+ 7
NEWQUAY	42·6	+ 17·2	58	+ 24
GUERNSEY	25·5	− 0·2	35	0

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration.	Difference from the Mean for the Week.
No. 36, page 212	Shaftesbury	—	—	—	54·1	58·4	+1·5	115	—	—	—	—	—	—	—	—
,, 38, ,, 224	Nairn	—	33	—	42·1	51·7	−0·3	—	0	—	—	—	—	—	—	—
,, 38, ,, 224	Hillington	—	—	—	44·1	52·9	−1·9	76	—	—	—	—	—	—	—	—
,, 38, ,, 224	Shaftesbury	—	—	—	46·2	52·4	−2·4	73	—	—	—	—	—	—	—	—
,, 39, ,, 230	Pembroke	—	—	—	—	—	—	—	—	—	0·02	−0·80	—	—	—	—
,, 41, ,, 246	York	—	—	—	—	—	—	—	—	—	—	—	7·6	−13·1	10	−18

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* } No 43. FORTY-THIRD WEEK, ENDING SATURDAY, OCTOBER 28TH, 1905. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 254.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	53	27	47·9	36·9	42·3	2 below	24	− 5	14	+ 3	1904	+ 1	534	− 65
	1. SCOTLAND, EAST	55	28	48·4	36·3	42·1	2 below	25	− 6	16	+ 1	2214	− 35	561	− 95
	2. ENGLAND, N.E.	55	29	48·5	36·6	42·4	4 below	25	−12	15	+ 7	2636	+176	424	− 98
	3. ENGLAND, EAST	55	24	48·6	32·2	40·7	7 below	18	−24	34	+25	2977	+139	416	−156
	4. MIDLAND COUNTIES	57	23	48·9	32·8	40·7	5 below	19	−20	36	+25	2787	− 1	471	−121
	5. ENGLAND, SOUTH	59	21	50·0	32·6	41·0	7 below	22	−29	36	+31	2997	−116	338	− 82
Principal Grazing Districts.	6. SCOTLAND, WEST	56	25	50·7	34·5	42·3	4 below	34	− 2	21	+13	2439	+ 49	378	− 74
	7. ENGLAND, N.W.	54	27	49·4	36·0	42·5	5 below	29	−12	17	+12	2628	+ 4	321	−100
	8. ENGLAND, S.W.	57	16	50·8	32·0	41·1	7 below	25	−25	39	+35	2857	− 53	294	− 26
	9. IRELAND, NORTH	54	21	50·6	37·3	43·7	3 below	32	− 7	13	+ 6	2524	0	313	− 62
	10. IRELAND SOUTH	59	22	52·2	34·9	43·3	5 below	39	− 8	20	+15	2961	+ 92	222	− 53
	— CHANNEL ISLANDS	58	35	53·2	41·0	46·9	5 below	39	−32	3	+ 2	3384	+ 6	58	− 63

Rainfall.

	DISTRICTS. (See p. 254.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	12	1 more	228	+44	40·2	+ 4·7
	1. SCOTLAND, EAST	6	7	9 (average)	176	+17	21·1	− 4·1
	2. ENGLAND, N.E.	6	8	2 more	138	− 8	15·7	− 4·6
	3. ENGLAND, EAST	4	4	2 less	139	− 7	16·8	− 2·8
	4. MIDLAND COUNTIES	3	2	5 less	141	+ 1	17·4	− 5·1
	5. ENGLAND, SOUTH	3	3	5 less	136	− 1	19·5	− 3·0
Principal Grazing Districts.	6. SCOTLAND, WEST	3	13	1 more	167	+ 2	36·3	− 3·1
	7. ENGLAND, N.W.	3	4	5 less	156	+ 1	24·4	− 3·5
	8. ENGLAND, S.W.	2	4	6 less	150	− 5	24·4	− 5·7
	9. IRELAND, NORTH	4	7	2 less	191	+ 4	27·5	− 1·7
	10. IRELAND, SOUTH	3	5	5 less	171	+ 4	26·8	− 5·3
	— CHANNEL ISLANDS	3	2	8 less	171	+12	21·2	− 4·2

Bright Sunshine.

	DISTRICTS. (See p. 254.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	16	+ 1	25	+ 1	1077	+ 19	27	+ 1
	1. SCOTLAND, EAST	20	+ 1	31	+ 2	1274	+ 27	32	+ 1
	2. ENGLAND, N.E.	22	+ 3	33	+ 5	1406	+ 85	36	+ 2
	3. ENGLAND, EAST	27	+ 2	38	+ 3	1533	+ 48	39	+ 1
	4. MIDLAND COUNTIES	23	+ 8	34	+11	1327	+ 22	34	+ 1
	5. ENGLAND, SOUTH	34	+12	49	+18	1486	− 6	38	0
Principal Grazing Districts.	6. SCOTLAND, WEST	29	+15	44	+23	1402	+124	36	+ 3
	7. ENGLAND, N.W.	28	+14	42	+20	1380	+187	35	+ 5
	8. ENGLAND, S.W.	38	+18	54	+26	1429	− 68	37	− 2
	9. IRELAND, NORTH	28	+10	42	+15	1317	+151	34	+ 4
	10. IRELAND, SOUTH	28	+ 7	42	+10	1292	− 39	33	− 1
	— CHANNEL ISLANDS	37	+13	52	+18	1602	−148	42	− 4

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was mostly fair and bright over the United Kingdom as a whole, but in the north and east of Scotland and the north-east of England showers were of frequent occurrence. Thunder was heard on Sunday at Geldeston and on Saturday at Laudale.

Temperature was again below the mean, the deficit ranging from 2° in the north and east of Scotland to 4° or 5° in most other districts, and to as much as 7° in the east, south, and south-west of England. The highest of the maxima were recorded towards the end of the week, when the thermometer rose to 59° in England S. and Ireland S., to 58° in the Channel Islands, 57° in the Midland Counties and England S.W., and to between 56° and 53° elsewhere. During the major portion of the week the maxima were seldom above 50°. The lowest of the minima, which were recorded either on the 22nd and 23rd, ranged from 16° in England S.W. (at Llangammarch Wells), 21° in England S. and Ireland N., and 22° in Ireland S., to 31° in Scotland E., and to 35° in the Channel Islands.

Rainfall slightly exceeded the mean in England N.E. and in Scotland N. and W., and just equalled it in Scotland E.; in all other districts there was a considerable or large deficit.

Bright Sunshine exceeded the mean very generally, the excess being greatest in the south and west. The percentage of the possible duration ranged from 54 in England S.W., 52 in the Channel Islands, and 49 in England S., to 33 in England N.E., and to 25 in Scotland N.

Barometer and Wind. During the earlier days of the week the barometer was highest off our north-western and western coasts, while some shallow depressions over the North Sea or the Netherlands affected the winds and weather over our most eastern districts. After Tuesday, however, the anticyclone in the north-west began to move slowly southwards over England and finally took up a position over the Bay of Biscay and France, while depressions from the Atlantic encroached gradually over the whole of the United Kingdom. The wind consequently shifted from the Northward to the South-Westward or Southward and increased considerably in force; on many parts of our west and north-west coasts it blew a strong breeze, and in a few places a moderate to fresh gale.

4176 370 Wy. & S. Ltd. 10 | 05

II.—DATA from which the SUMMARY on page 253 has been calculated.

Districts. Oct. 22–28, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
O. SCOTLAND, N.	Sumburgh Head	48	35	45·7	38·6	42·1	− 2·5	15	10	7	1·24	+ 0·24	*	*	*	*
	Stornoway	50	34	48·4	39·1	43·6	− 0·7	23	8	7	0·69	− 0·51	22·7	+ 6·0	35	+ 9
	Wick	? 53	35	48·6	37·3	42·8	− 1·8	25	13	7	1·30	+ 0·62	*	*	*	*
	Lairg §	51	27	48·2	34·9	41·4	− 1·0	17	28	7	1·11	+ 0·24	*	*	*	*
	Glencarron §	50	29	47·3	36·0	41·5	− 2·0	15	24	7	2·26	+ 0·19	*	*	*	*
	Fort Augustus §	50	30	48·9	35·7	42·1	− 2·9	27	18	7	0·66	− 0·30	17·2	+ 5·8	26	+ 9
1. SCOTLAND, E.	Nairn	51	32	48·7	37·1	42·7	− 1·6	25	14	7	0·84	+ 0·31	*	*	*	*
	Aberdeen	53	34	49·3	37·3	43·1	− 2·1	27	13	7	0·85	+ 0·16	21·1	+ 1·5	32	+ 2
	Braemar §	46	31	43·6	35·6	39·5	− 2·0	4	23	7	0·34	− 0·55	*	*	*	*
	Clathick §	55	28	50·2	34·9	42·3	− 2·2	32	20	4	0·89	− 0·08	*	*	*	*
	Leith	54	35	51·1	39·3	45·0	− 1·4	32	8	2	0·18	− 0·28	*	*	*	*
	Marchmont §	51	32	47·3	33·4	40·1	− 3·9	15	32	6	1·05	+ 0·25	15·8	− 1·3	24	− 2
2. ENGLAND, N.E	Alnwick Castle	52	32	48·4	36·4	42·2	− 3·2	25	16	6	1·54	+ 0·79	*	*	*	*
	Durham	52	33	48·0	35·6	41·6	− 3·6	17	25	5	0·48	− 0·21	19·6	+ 1·8	29	+ 3
	Shields	54	35	48·9	36·9	42·7	− 3·6	26	14	6	1·13	+ 0·53	*	*	*	*
	Scarborough M	55	37	49·7	38·5	43·9	− 3·0	28	10	6	0·73	+ 0·01	22·2	—	33	—
	Spurn Head	51	36	47·7	39·1	43·3	− 4·5	21	8	5	0·60	+ 0·07	*	*	*	*
	Lincoln												*	*	*	*
	Fulbeck (Lincolnshire)	52	29	48·1	33·1	40·4	− 5·2	17	34	6	0·25	− 0·27	25·8	—	38	—
3. ENGLAND, E.	Hillington M	53	29	48·1	33·1	40·4	− 6·0	17	34	5	0·50	− 0·13	18·3	− 0·9	27	− 1
	Yarmouth	52	35	47·4	36·6	41·8	− 5·9	15	21	5	0·50	− 0·15	*	*	*	*
	Geldeston	55	29	49·8	33·2	41·3	− 6·2	22	35	5	0·44	− 0·16	26·1	+ 4·8	38	+ 7
	Cambridge	55	24	48·7	31·0	39·6	− 7·1	19	41	5	0·29	− 0·23	20·6	− 0·8	30	− 1
	Felixstowe	53	30	48·5	34·0	41·0	− 6·5	18	31	5	0·21	—	30·4	—	44	—
	Clacton-on-Sea	54	29	48·9	33·1	40·8	− 6·5	19	35	3	0·10	—	33·9	—	49	—
	Rothamsted	53	26	48·0	31·5	39·5	− 6·6	17	39	4	0·29	− 0·37	25·8	+ 4·4	37	+ 6
	Shoeburyness	55	29	49·7	32·7	41·0	− 6·8	22	37	3	0·10	− 0·41	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	52	31	47·4	34·6	40·8	− 4·3	15	28	2	0·16	− 0·57	20·7	—	30	—
	Bawtry (Hesley Hall)	53	31	49·1	34·1	41·4	− 4·1	20	31	2	0·08	− 0·50	*	*	*	*
	Nottingham	53	29	48·9	33·1	40·8	− 5·6	19	35	4	0·21	− 0·34	21·3	—	31	—
	Colly Weston (Stamford)	54	31	49·0	34·4	41·5	− 5·0	20	30	4	0·18	− 0·42	*	*	*	*
	Cheadle M	53	30	46·9	34·3	40·4	− 4·4	14	29	2	0·17	− 0·58	*	*	*	*
	Birmingham (Edgbaston)	54	29	48·0	35·3	41·5	− 4·8	17	27	2	0·08	− 0·55	21·9	—	32	—
	Shrewsbury	55	23	49·8	29·3	39·3	− 7·3	22	48	2	0·15	—	*	*	*	*
	Hereford M	57	23	50·3	30·5	40·1	− 6·5	23	44	3	0·14	− 0·48	*	*	*	*
	Cirencester	54	28	49·6	31·9	40·5	− 5·0	21	39	2	0·23	− 0·47	33·3	+ 13·2	48	+ 19
	Oxford	55	26	50·4	30·6	40·2	− 6·4	24	44	2	0·17	− 0·40	29·3	+ 9·8	43	+ 14
	Westminster	56	29	49·9	31·6	40·5	− 6·9	22	40	5	0·25	—	14·3	+ 1·6	21	+ 2
5. ENGLAND, S.	London (Brixton)	55	27	49·4	31·1	40·0	− 7·9	21	42	3	0·25	− 0·33	17·8‡	+ 2·9‡	26‡	+ 4‡
	Wisley (Surrey)	55	25	49·7	30·1	39·6	− 8·8	22	45	3	0·23	—	27·3	—	40	—
	Swarraton (Alresford) M	54	21	49·4	28·1	38·4	− 7·7	21	51	3	0·42	− 0·35	*	*	*	*
	Tunbridge Wells M	53	24	48·5	30·9	39·4	− 7·0	18	41	3	0·26	—	33·2	—	48	—
	Dungeness	53	28	49·6	31·1	40·1	− 9·3	21	42	5	0·25	− 0·46	37·3	—	54	—
	Hastings (St. Leonards)	54	32	49·9	35·6	42·5	− 6·7	30	18	3	0·28	− 0·55	37·4	+ 13·2	54	+ 19
	Southampton	59	28	52·9	33·6	43·0	− 5·7	42	24	2	0·30	− 0·46	37·6	+ 15·0	55	+ 22
	Portland Bill	56	35	51·7	37·9	44·6	− 4·7	35	11	2	0·25	—	*	*	*	*
	Shaftesbury M	54	32	48·8	34·6	41·5	− 4·7	19	29	2	0·19	− 0·66	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	51	28	50·1	35·8	42·7	− 3·5	31	17	4	3·07	+ 1·36	*	*	*	*
	Glasgow	51	30	48·8	36·6	42·5	− 2·5	26	15	4	0·53	− 0·32	21·5	+ 9·5	32	+ 14
	Cally §	56	25	54·1	31·2	42·3	− 3·4	47	30	3	1·41	+ 0·28	*	*	*	*
	Aspatria	52	26	49·6	33·7	41·4	− 3·9	21	33	4	0·72	—	24·4	—	36	—
	Douglas (Isle of Man)	53	29	50·7	35·4	42·8	− 4·3	33	18	2	0·74	− 0·29	41·9	+ 21·2	62	+ 31
7. ENGLAND, N.W.	Newton Rigg	51	28	48·2	33·2	40·5	− 4·0	17	34	4	0·28	—	22·0	—	33	—
	Stonyhurst	51	29	48·3	34·8	41·4	− 4·3	18	29	3	0·66	− 0·45	25·3	+ 8·1	37	+ 12
	Blackpool M	53	29	50·0	35·9	42·7	− 4·4	31	17	2	0·29	− 0·61	36·7	+ 19·4	54	+ 29
	Manchester (Prestwich)	52	30	48·4	33·6	40·8	− 5·3	18	32	3	0·52	− 0·38	15·6	—	23	—
	Liverpool Obsy. (Bidston)	51	34	48·9	39·0	43·8	− 3·7	25	8	2	0·21	− 0·54	36·6	—	54	—
	Chester (Hawarden Bridge)	54	29	49·6	34·9	42·0	− 6·0	21	20	2	0·10	—	*	*	*	*
	Llandudno M	54	32	50·9	38·8	44·7	− 4·2	32	9	3	0·37	− 0·51	30·7	+ 13·4	45	+ 20
	Holyhead	53	36	50·3	42·3	46·2	− 3·2	29	0	3	0·55	− 0·41	*	*	*	*
	Bettws-y-Coed	54	27	50·1	31·6	40·6	− 7·1	23	40	5	0·93	—	22·2	—	33	—
8. ENGLAND, S.W.	Llangammarch Wells	53	16	49·2	23·1	35·8	− 9·0	20	69	3	0·51	—	—	—	—	—
	Pembroke	54	36	52·0	40·9	46·3	− 3·6	35	3	4	0·33	− 0·61	37·7	+ 16·9	55	+ 25
	Cardiff	55	23	51·4	27·7	39·2	− 9·3	26	54	2	0·54	—	*	*	*	*
	Clifton	53	30	49·5	33·8	41·4	− 6·0	21	32	3	0·23	− 0·62	*	*	*	*
	Bath	55	25	49·9	28·9	39·1	− 8·6	22	49	2	0·13	− 0·57	28·4	—	41	—
	Arlington (N. Devon)	53	29	49·9	32·4	40·9	− 6·6	22	37	2	1·05	− 0·35	*	*	*	*
	Cullompton M	57	26	51·4	28·4	39·6	− 7·3	26	52	2	0·11	− 0·76	39·5	+ 20·3	57	+ 29
	Falmouth	54	34	50·7	38·6	44·5	− 5·8	32	10	2	0·52	− 0·69	40·0	+ 16·1	57	+ 23
	Plymouth	56	30	52·9	34·1	43·2	− 6·7	42	22	2	0·21	− 0·63	40·6	+ 19·1	58	+ 27
9. IRELAND, N.	Malin Head	51	39	49·7	42·4	45·9	− 1·7	27	0	5	0·61	− 0·09	*	*	*	*
	Edenfel (Omagh)	52	24	49·4	33·3	41·1	− 3·4	21	34	5	0·73	− 0·12	*	*	*	*
	Blacksod Point	54	29	51·9	38·9	45·2	− 3·4	35	9	5	1·17	− 0·03	*	*	*	*
	Markree Castle	54	21	51·7	33·8	42·5	− 3·3	38	23	3	0·72	− 0·23	27·7	+ 9·5	41	+ 14
	Armagh	54	26	50·8	35·1	42·7	− 2·8	34	19	3	0·35	− 0·29	29·0	+ 10·4	43	+ 15
	Donaghadee	53	36	49·9	40·1	44·9	− 2·3	28	5	4	0·32	− 0·40	*	*	*	*
10. IRELAND, S.	Dublin	55	34	51·6	36·4	43·8	− 4·1	36	16	2	0·27	− 0·37	35·5	+ 12·9	52	+ 19
	Birr Castle	55	22	51·0	31·1	40·8	− 5·3	25	43	4	0·32	− 0·35	24·6	+ 4·4	36	+ 7
	Kilkenny	53	22	50·0	28·6	39·0	− 8·0	22	50	2	0·29	− 0·41	*	*	*	*
	Waterford	55	30	53·4	33·0	42·9	− 4·8	44	25	3	0·22	− 0·67	*	*	*	*
	Roche's Point	55	35	52·3	37·6	44·7	− 5·0	37	12	4	0·45	− 0·53	*	*	*	*
	Valencia	55	35	52·9	39·0	45·7	− 4·3	39	8	3	0·90	− 0·39	24·9	+ 3·9	36	+ 6
	Killarney	59	28	54·8	35·9	45·1	− 3·4	47	17	2	0·69	− 0·65	*	*	*	*
	Foynes	55	31	51·7	37·9	44·6	− 2·9	35	11	2	0·54	− 0·35	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	56	41	53·0	43·0	47·9	− 4·4	41	0	3	0·12	− 0·74	37·3	+ 13·9	53	+ 20
	Jersey (St. Aubyn's)	58	35	53·3	39·0	45·9	− 6·0	40	8	3	0·18	− 0·82	39·1	+ 13·3	56	+ 19

Information for Stations marked M is supplied by the Royal Meteorological Society and that for Stations marked § is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

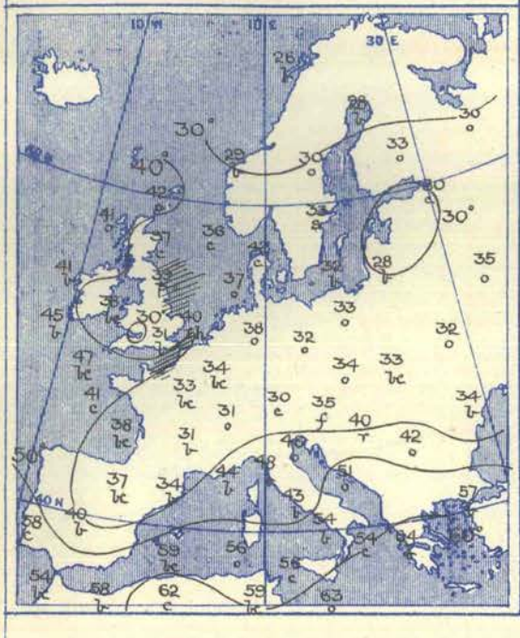
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

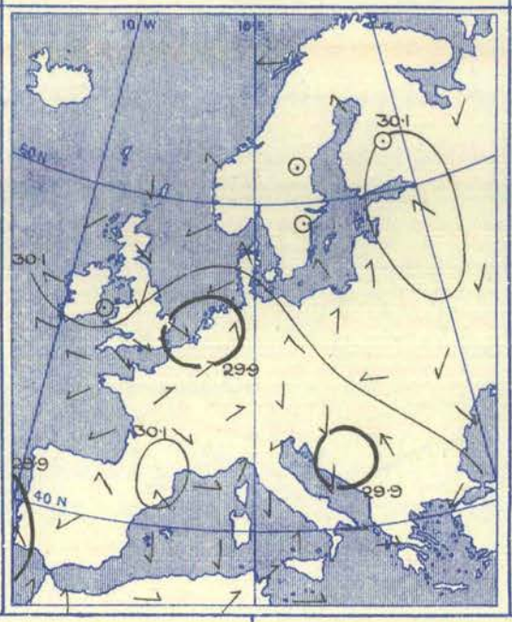
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 22nd October, 1905.

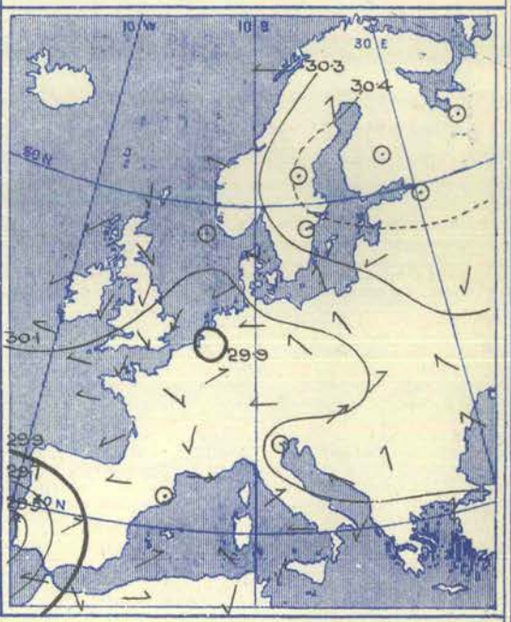
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most parts of our area, but some rain falling at Nairn, on our south-east coasts, over the Netherlands, and at Hermanstadt, and snow in the south of Sweden. Rain falling later at most stations on the Continent and in a few British localities—largest measurement, 0·7 in. at Brussels.

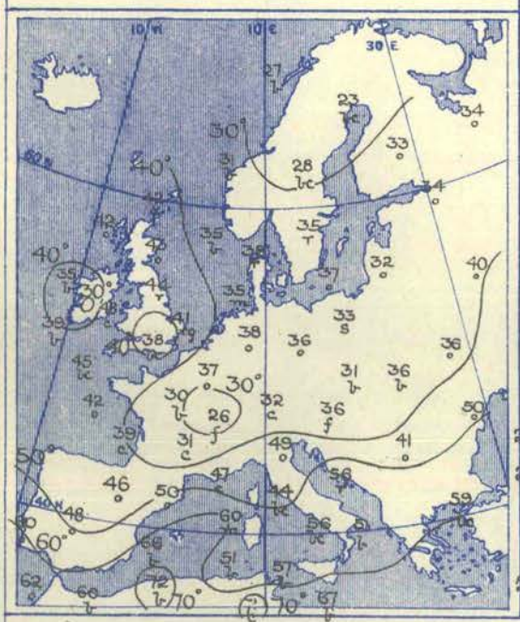
Temperature fallen over our Islands and Italy, risen or changed irregularly elsewhere. Morning readings above 50° at many Mediterranean stations, and as high as 64° at Athens and 63° at Malta. As low as 24° at Birr Castle, and below 32° in various parts of central England and the northern and central regions of the Continent. Rising during day to nearly 50° over the United Kingdom, to above 50° on the coasts of France, and to 60° or above in the extreme south of our area. Highest values, 70° at Palermo and Malta, and 73° at Algiers.

Wind at 8 a.m. showing two cyclonic circulations—one around the Netherlands and the other over the south-eastern quarter of Europe. Anticyclonic winds prevailing elsewhere. Scarcely stronger in force than a gentle or moderate breeze in any part of our area. Little change later beyond some increase in force in the north of Holland and on the Norfolk coast.

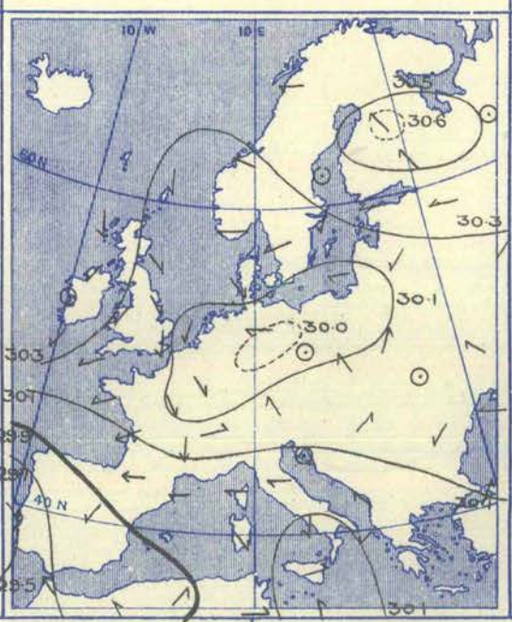
Barometer at 8 a.m. above 30·3 ins. in an anticyclone over the north-west of Russia and above 30·2 ins. off our own north-west coasts. Below 29·8 ins. over the north of Holland, below 29·9 ins. in another disturbance centred near Belgrade, and about equally low in Portugal. Falling very briskly over Portugal and the adjacent portion of Spain during day. Russian anticyclone increasing both in size and intensity.

Monday, 23rd October, 1905.

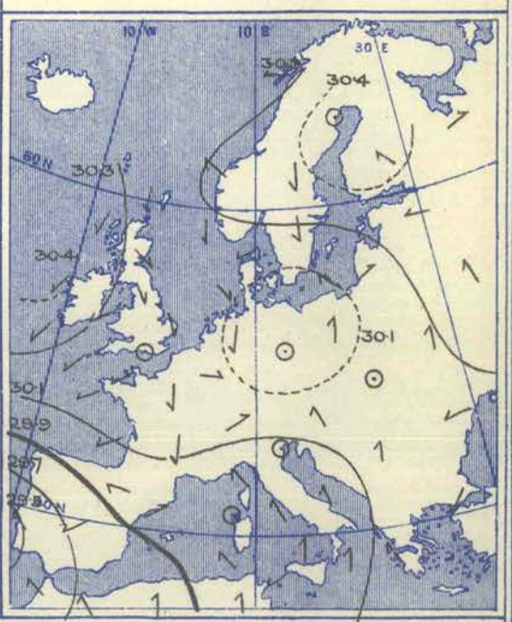
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Norway, the south-east and south of England, and over Ireland; cloudy or overcast over our area generally, with rain in various places, snow in North Germany, and fog at several stations in central Europe. Slight rain later at many stations in Great Britain and as much as 0·76 in. at North Shields. Small amounts in various Continental localities, 0·9 in. at Buda-Pesth, and 1·0 in. at Pesaro.

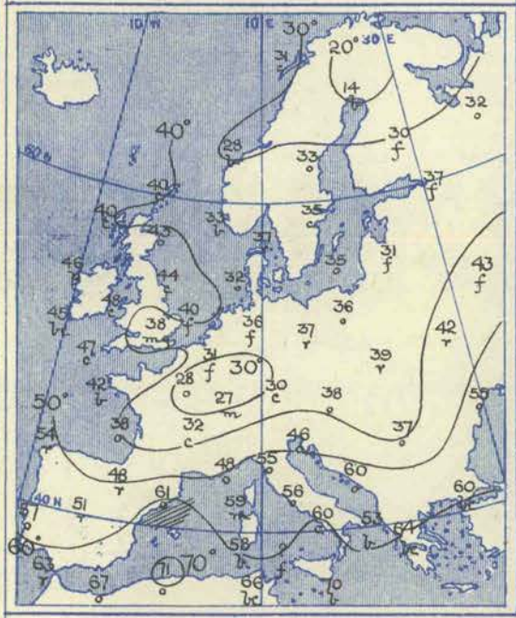
Temperature risen in most regions. Morning readings as high as 72° at Algiers, 67° at Malta, and 66° at Palma. Below 40° over the greater part of our area and below 32° in several places. Lowest values, 24° at Birr Castle and 23° at Uleaborg. Rising later to 91° at Algiers, 75° at Malta, 73° at Athens, 70° at San Fernando, and to above 60° at most other stations in the south. Remaining below 50° in many regions further north and below 32° at Bodö.

Wind at 8 a.m. showing a gentle cyclonic circulation over the central part of our area and moderate to fresh South-Easterly to Easterly breezes in Spain and Portugal. Light or moderate anticyclonic airs prevailing elsewhere. Little change as a whole later, but a moderate Easterly gale setting in at Helsingfors.

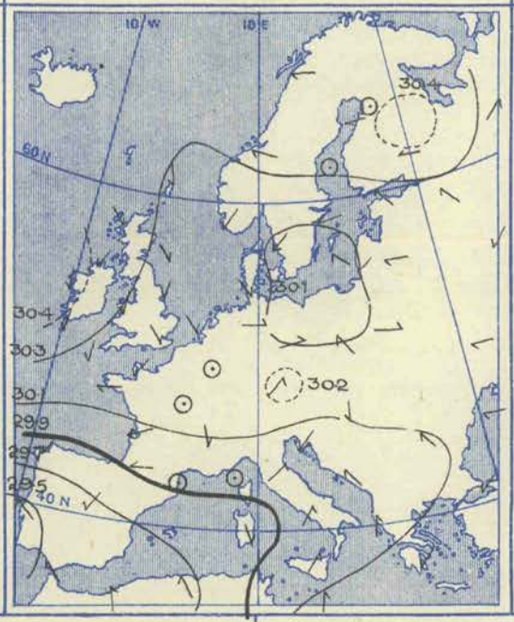
Barometer at 8 a.m. ranging from above 30·6 ins. over Finland to below 30·0 ins. in a shallow depression over Prussia, and to less than 29·5 ins. in a deeper system off the south-west of Spain. Northern anticyclone decreasing in intensity later and depression over Prussia moving to the Baltic and becoming rather more shallow. Spanish disturbance travelling slowly eastwards.

Tuesday, 24th October, 1905.

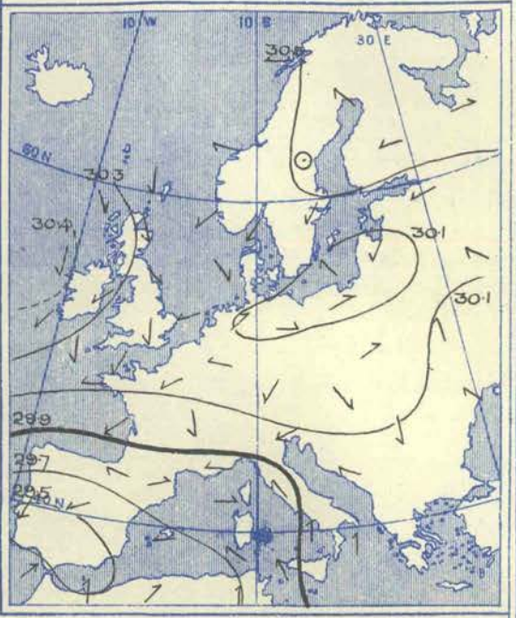
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Norway and at several stations on the southern shores of the Mediterranean; cloudy or overcast elsewhere, with rain over the Spanish Peninsula and in various other parts of the Continent and showers at some of our own stations. Very heavy rains later in different parts of Italy and the Iberian Peninsula, as well as at Trieste, and considerable falls in the south of France—largest measurement, 2·0 ins. at Florence.

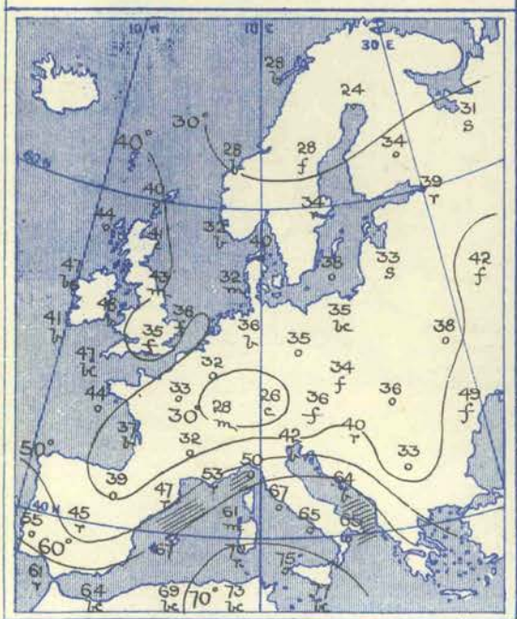
Temperature changed rather irregularly. Readings in morning as low as 14° at Haparanda and below the freezing point at Oxford and in several parts of France; above 60° in the extreme south of our area and as high as 70° at Malta and 71° at Algiers. Rising subsequently to 90° at Algiers, 86° at La Calle, and to within a few degrees of 80° at a few other southern stations. Continuing below 50° over central and northern Europe generally and below 40° in places.

Wind in morning mainly between North and East except over Germany. Moderate or light in force generally, but fresh or strong over the Bay of Biscay and in various parts of Spain and Portugal. Little change later as a whole. Wind shifting to South-West at San Fernando and in Algeria.

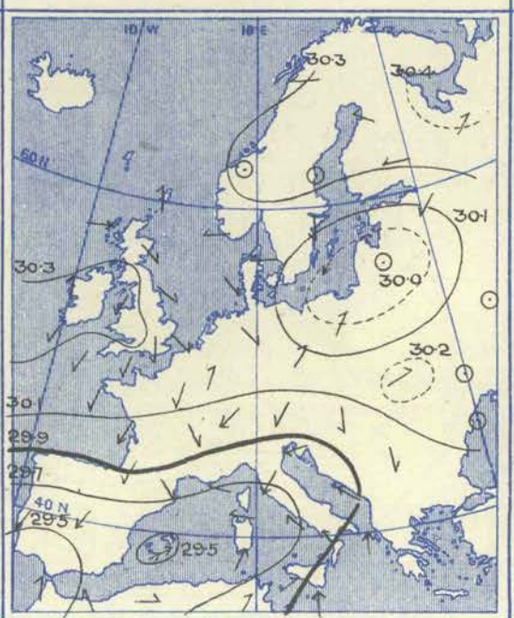
Barometer at 8 a.m. highest, above 30·4 ins. in an anticyclone found over Finland and in another maximum off the west of Ireland. Lowest, 29·5 ins. and less in a depression having its centre over the south-west of Spain. Relatively low in a large shallow system over the Baltic and its neighbourhood. Spanish disturbance travelling eastwards later and gradients increasing considerably over the northern half of the Peninsula and the south of France. Pressure giving-way somewhat on our northern coasts and over northern Europe.

Wednesday, 25th October, 1905.

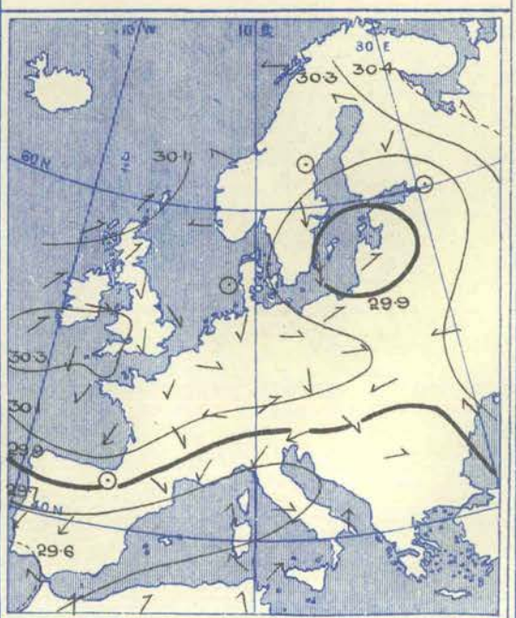
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in a few localities both over our Islands and the Continent, but overcast generally. Rain or snow prevailing over the north of Russia and rain at Cape Gris Nez, Buda-Pesth, and at many stations over southern Europe. Foggy at some English stations and at a few places on the Continent. Large quantities of rain later over Italy and its vicinity and rather heavy falls over the region of the Baltic. As much as 2·0 ins. at Brindisi, 1·7 in. at Florence, and 1·3 in. at Rome.

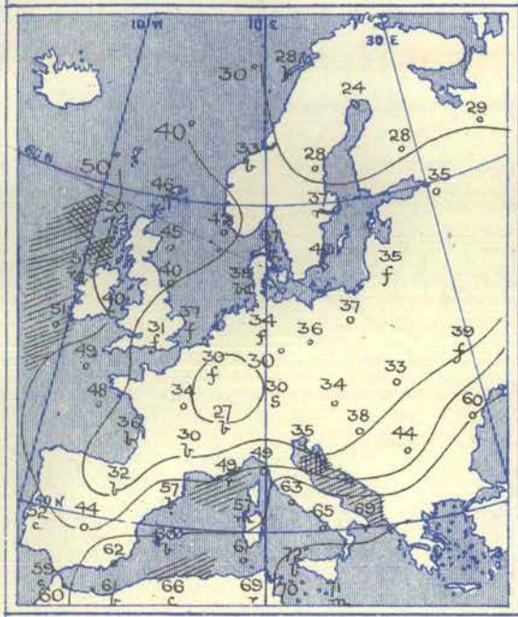
Temperature risen at most stations on the shores of the Mediterranean, fallen generally. Readings in morning above 70° in the far south of our area and as high as 77° at Malta. Below 50° over the north of Italy and below 40° over Europe as a whole. Frost prevailing in some central regions, at Oxford and Bath, and in the extreme north of our area. Lowest value, 24° at Uleaborg. Maxima during day above 80° at some stations in the extreme south, below 50° in central Europe, the north of Italy, many parts of France and the United Kingdom, and below 32° in the north of Sweden.

Wind in morning showing two cyclonic circulations of considerable force in the south of our area. A moderate gale from the Eastward blowing at Lesina and a strong gale from South-West at Palma. Another cyclonic circulation of moderate to fresh winds prevailing around the Baltic provinces of Russia, but light anticyclonic breezes prevalent in the north generally. Light Westerly to Southerly winds over the north of our Islands. Latter current extending to the whole of Ireland and Scotland by evening.

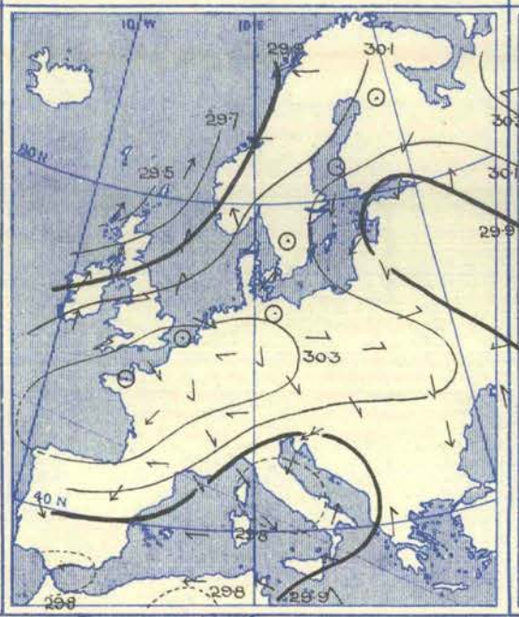
Barometer at 8 a.m. highest, 30·4 ins. over the White Sea and above 30·3 ins. over Ireland, Wales, and the north-west of England. Lowest, less than 29·5 ins. in two minima over the south of our area, below 30·0 ins. in a large shallow system centred near Riga. Relatively low in a disturbance off the north of Scotland. Pressure decreasing steadily on our north and north-west coasts during day and quickly at night. Russian depression increasing in depth.

Thursday, 26th October, 1905.

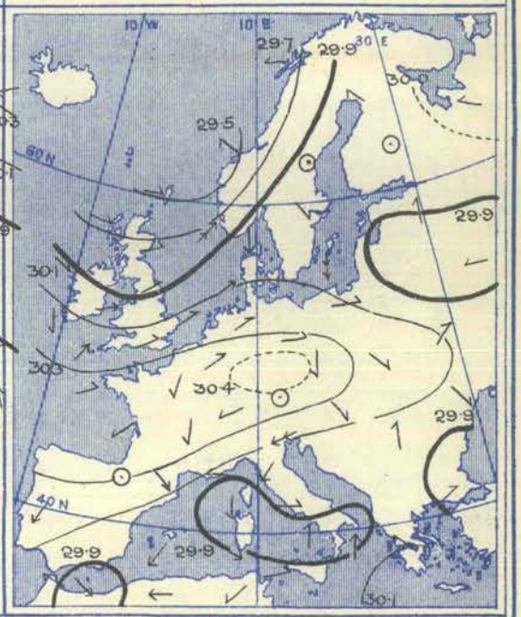
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very unsettled over our area generally, but fair and quiet over the greater part of France, the Netherlands, and our own southern coasts. Rain falling on the extreme north and north-west coasts and at Stockholm and also in several parts of southern Europe. Snow reported at Trieste. Rain experienced later over the United Kingdom and most parts of northern and central Europe, as well as in Algeria and Italy and its vicinity. Rain or snow in Russia.

Temperature risen over our Islands and Norway, fallen generally elsewhere. Morning readings, 72° and 71° respectively at Palermo and Malta, 69° at Brindisi, and 63° at Rome. As low as 44° at Florence and Pesaro and 35° at Trieste. Above 50° on our extreme west coasts, but below 40° over the major portion of the Continent and less than 30° in places. Lowest values, 24° at Uleaborg, 25° at Haparanda, and 27° at Belfort. Maxima during day, 84° at Palermo, above 70° in Algeria, Greece, and the south of Italy. No higher than 50° at Marseilles and 48° at Florence. Below 50° over our area as a whole.

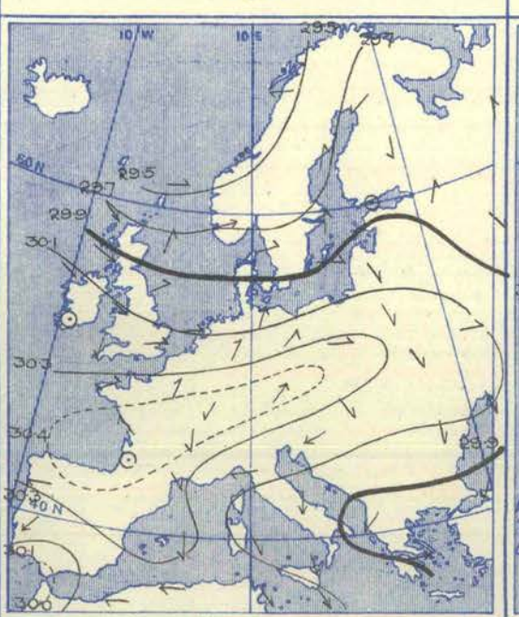
Wind at 8 a.m. moderate to strong from the South-Westward over the United Kingdom generally, with a fresh gale in the Hebrides. Two complete cyclonic circulations shown—one over Russia and the other over the Mediterranean. Easterly current strong to a gale over the north of Italy and the Gulf of Venice and a moderate Easterly gale also reported at Oporto. Veering towards West over our Islands later, increasing to a gale from the South-Westward at Skudesnaes, and from the Northward at Wisby.

Barometer in morning highest, 30·3 ins. and upwards over the Bay of Biscay, the north of France, and the Netherlands. Lowest, 29·5 ins. and less in a depression off our north-west coasts, below 29·8 ins. in two minima over the Mediterranean region, and below 29·9 ins. in a large system over Russia. North-western disturbance travelling eastwards during day and depressions in the far south undergoing some modification in form and intensity. High pressure system maintaining its position and becoming rather more pronounced.

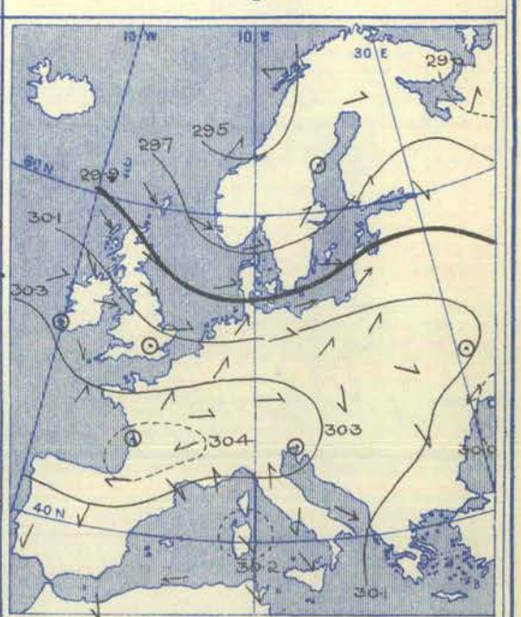
Friday, 27th October, 1905.

Temperature and Weather. 8 a.m.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over the greater part of our area, but cloudy or dull in many places. Snow falling at St. Petersburg, rain at Hermanstadt, Brindisi, in Belgium, and the extreme north-east of France, and passing showers in the north-west of Ireland. Rain later in the west and north of our Islands and in various Continental localities—heaviest amounts in the south of Russia.

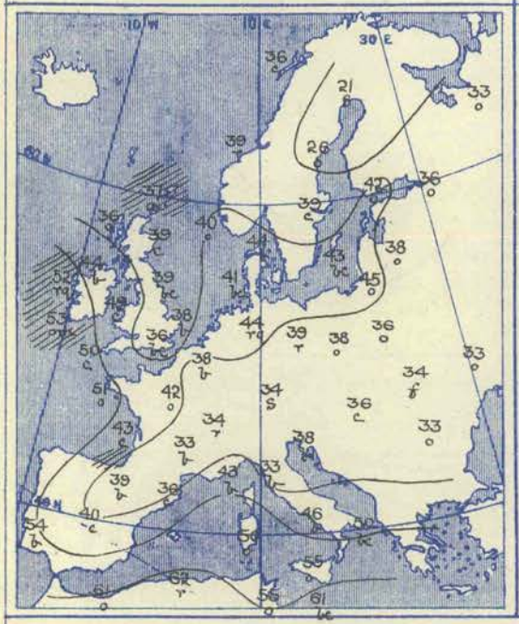
Temperature risen over England and the adjacent countries of the Continent, fallen or changed irregularly elsewhere. Morning readings highest, 71° at Patras, 68° at Malta, 63° at Algiers. Lowest, 23° at Uleaborg, 25° at Limoges, 26° at Munich. Below 40° over the Continent generally; only 42° at Nice. Rising later to 56° in London, to about the same level in most parts of France, to 60° at Rome, and to 75° at Palermo and Sfax. Maxima below 45° in many parts of central Europe.

Wind at 8 a.m. Westerly to South-Westerly over the north-west and north of our area; moderate in force generally, but fresh or strong in places. Fresh or strong from between North and East over the Mediterranean region. No general change occurring later, but wind backing in the west of Ireland.

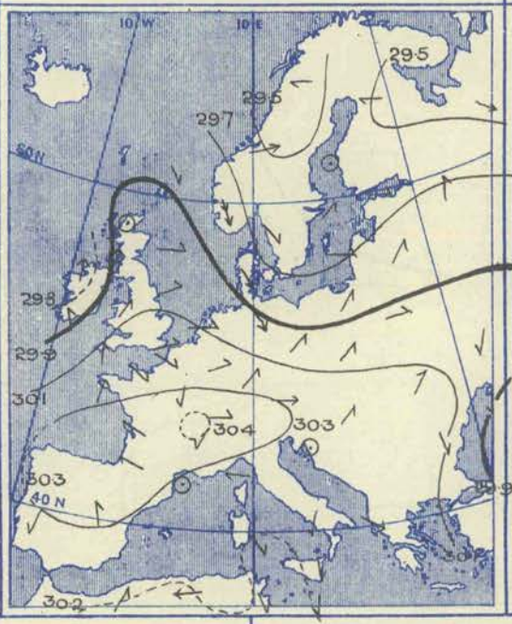
Barometer in morning above 30·4 ins. in an anticyclone extending from the north of Spain to Bohemia. Below 29·5 ins. in a large depression off the west of Norway, less than 30·0 ins. in a disturbance centred off the north-west coast of Africa, and less than 29·9 ins. in an elongated system over the south-east of Europe. Northern depression travelling north-eastwards later and barometer rising briskly in Scotland, but beginning to fall again by evening on the south-west coast of Ireland and in the west and north generally during the night.

Saturday, 28th October, 1905.

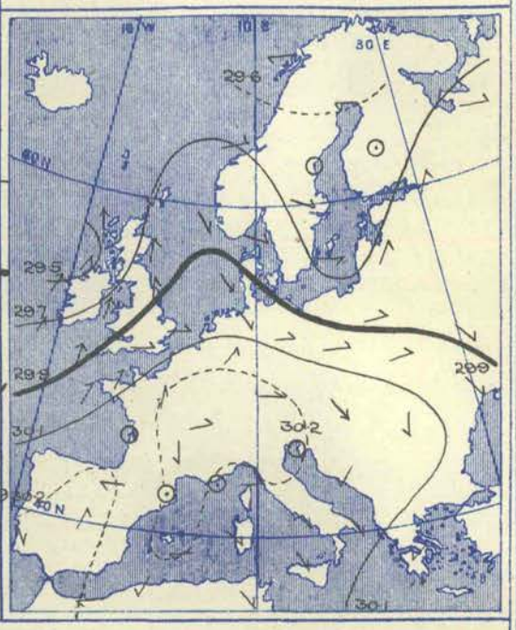
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most parts of Great Britain, France, the Low Countries, and southern Europe; dull in most other regions. with rain in the west of Ireland, North Germany, and at Christiansund, and snow at Munich, Odessa, and in the north of Sweden. Rain falling later in several northern regions and in Little Russia—heavily at Kharkov, Christiansund, and in the west of Ireland.

Temperature risen in Ireland, France, and Germany, fallen over our area generally. Morning readings about 60° at a few places in the extreme south, below 40° as a whole and less than 32° in some parts of northern and central Europe. Lowest value, 21° at Haparanda. Rising subsequently to 72° at San Fernando and to about 65° at some other southern stations. Maxima above 50° in most parts of our Islands, but below it over the major portion of the Continent.

Wind at 8 a.m. showing a cyclonic circulation over northern Europe, the North-Westerly current over Norway and Denmark being strong to a gale. Fresh to a moderate gale from the Southward on our own west coasts. Light from between North and East over the Mediterranean generally, but a moderate Easterly gale prevailing at Algiers. Southerly current becoming more general later over our Islands and their neighbourhood.

Barometer in morning highest, above 30·3 ins. in an anticyclone extending from the northern half of Spain to Munich and the north of Italy. Lowest, less than 29·5 ins. over the north of our area, and below 29·8 ins. over the Black Sea and off the west of Ireland. Pressure decreasing very briskly on our western and northern coasts later and increasing in Norway. Southern high pressure system giving way somewhat.

IV.—GENERAL NOTES, etc.

The general distribution of pressure underwent considerable and frequent changes. As a whole, however, the barometer was highest in the north-east or north-west until late in the week, when it became highest in an anticyclonic area extending from the Bay of Biscay towards central Europe. Depressions visited almost all parts of Europe, but none of them were of very great depth. The most important systems in the south appeared over the Mediterranean region, and were accompanied by strong winds or gales from various quarters, and by very heavy rains. At Trieste some snow was also experienced. The temperature became low for the time of year except in Algeria, Sicily, and the extreme south of Italy, where it was, for a time, very high for the season under the influence of a strong wind of the sirocco type. Over Europe as a whole temperature was rather low and frosts were very common in inland districts at night. Broken weather prevailed in most places and moderate falls of rain (snow at some stations) were often reported from the central and northern countries.

At the end of the week the weather regained its normal state over southern Europe, while a large and rather deep depression was spreading over the United Kingdom, and causing milder and rainy weather.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 254.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	13·4	- 2·1	21	- 3
STRATHPEFFER SPA	11·3	- 6·6	17	- 10
CRATHES	19·5	—	30	—
BALRUDDERY	25·7	—	39	—
EDINBURGH	18·9	+ 2·9	28	+ 3
COCKLE PARK	22·3	—	33	—
NEWCASTLE-on-TYNE	14·3	—	21	—
SALTBURN-by-the-SEA	19·2	—	28	—
YORK	20·9	+ 4·5	31	+ 7
SKEGNESS	24·4	—	36	—
CROMER	28·6	—	42	—
LOWESTOFT	31·4	—	46	—
DUNMOW	27·3	—	40	—
SHEFFIELD	18·2	—	27	—
WORKSOP	16·4	- 0·3	24	- 1
MARGATE	35·3	+ 13·8	51	+ 20
RAMSGATE	44·5	—	65	—
EASTBOURNE	38·4	+ 14·7	56	+ 21
BRIGHTON	39·2	+ 14·6	57	+ 21
WORTHING	42·6	—	62	—
BOGNOR	43·3	—	63	—
VENTNOR HOSPITAL	44·6	+ 19·9	64	+ 28
BOURNEMOUTH	41·2	—	60	—
MARLBOROUGH	25·3	+ 5·9	37	+ 9
SOUTHPORT	38·4	—	57	—
RHYL	34·1	—	50	—
ABERDOVEY	36·3	—	53	—
ABERYSTWYTH	38·2	—	55	—
TENBY	41·7	+ 20·2	60	+ 29
TORQUAY	44·4	+ 22·6	63	+ 32
NEWQUAY	42·3	+ 18·9	60	+ 27
GUERNSEY	33·6	+ 10·8	48	+ 15

Reports received too late for insertion in their proper places.

TWENTY-EIGHTH YEAR.

VOLUME XXII. (New Series).

WEEKLY ISSUE.

NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 36, page 216 Broadstairs	—	—	—	—	—	—	—	—	—	—	—	30·6	—	34	—
,, 37, ,, 222 Broadstairs	—	—	—	—	—	—	—	—	—	—	—	42·8	—	49	—
,, 38, ,, 228 Broadstairs	—	—	—	—	—	—	—	—	—	—	—	28·7	—	34	—
,, 40, ,, 236 Lairg	57	31	51·2	37·9	44·4	-2·3	34	11	7	1·49	+0·67	—	—	—	—
,, 40, ,, 240 Saltburn-by-the-Sea	—	—	—	—	—	—	—	—	—	—	—	19·7	—	25	—
,, 41, ,, 242 Lairg	62	34	53·4	45·6	49·4	+4·3	52	0	5	0·69	-0·16	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No 44. FORTY-FOURTH WEEK, ENDING SATURDAY, NOVEMBER 4TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 260.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	54	32	48·0	39·4	43·7	1 above	23	− 3	7	− 6	1927	− 2	541	− 71
	1. SCOTLAND, EAST	57	31	47·7	39·4	43·6	0 (average)	22	− 5	7	− 9	2236	− 40	568	−104
	2. ENGLAND, N.E.	55	28	50·4	38·3	44·4	1 below	32	− 1	10	0	2669*	+176	436*	− 96
	3. ENGLAND, EAST	56	33	52·6	41·8	47·2	1 above	37	0	1	−10	3014	+139	417	−166
	4. MIDLAND COUNTIES	56	30	50·4	38·0	44·2	1 below	32	− 3	11	− 2	2819	− 4	482	−123
	5. ENGLAND, SOUTH	58	33	53·0	43·5	48·3	1 above	44	− 3	0	− 6	3041	−119	338	− 88
Principal Grazing Districts.	6. SCOTLAND, WEST	56	33	50·2	40·5	45·4	0 (average)	30	− 2	4	− 5	2469	+ 47	382	− 79
	7. ENGLAND, N.W.	54	31	49·5	39·5	44·5	2 below	28	− 9	7	+ 1	2656	− 5	328	− 99
	8. ENGLAND, S.W.	57	29	52·6	40·8	46·7	1 below	38	− 8	3	− 2	2895	− 61	297	− 28
	9. IRELAND, NORTH	53	29	48·9	40·2	44·6	1 below	26	− 9	5	− 3	2550	− 9	318	− 65
	10. IRELAND SOUTH	58	29	50·8	38·8	44·8	3 below	33	−10	9	+ 3	2994	+ 82	231	− 50
	— CHANNEL ISLANDS	57	44	54·3	47·4	50·9	1 below	62	− 4	0	− 1	3446	+ 2	58	− 64

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 260.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10	1 less	234	+45	41·2	+ 4·6	10	− 3	16	− 5	1087	+ 16	27	0
	1. SCOTLAND, EAST	7	21	14 more	183	+20	23·2	− 2·8	8	− 7	12	−12	1282	+ 20	32	+ 1
	2. ENGLAND, N.E.	6	10	4 more	144	− 6	16·6*	− 4·3	15	− 6	23	−10	1421	+ 79	36	+ 2
	3. ENGLAND, EAST	6	8	2 more	145	− 5	17·6	− 2·6	20	+ 1	31	+ 1	1553	+ 49	39	+ 1
	4. MIDLAND COUNTIES	6	13	7 more	147	+ 3	18·7	− 4·4	15	+ 3	22	+ 4	1342	+ 25	34	+ 1
	5. ENGLAND, SOUTH	7	23	15 more	143	+ 2	21·8	− 1·4	15	− 3	22	− 5	1502	− 9	38	0
Principal Grazing Districts.	6. SCOTLAND, WEST	5	10	2 less	172	+ 3	37·3	− 3·3	10	−10	15	−15	1412	+115	35	+ 3
	7. ENGLAND, N.W.	6	12	4 more	162	+ 3	25·6	− 3·2	10	− 4	16	− 6	1390	+133	35	+ 5
	8. ENGLAND, S.W.	7	21	11 more	157	− 3	26·5	− 4·5	23	+ 3	34	+ 5	1452	− 65	37	− 2
	9. IRELAND, NORTH	7	12	3 more	198	+ 7	28·7	− 1·3	6	−11	9	−17	1323	+141	33	+ 4
	10. IRELAND, SOUTH	6	9	1 less	177	+ 6	27·7	− 5·4	16	− 4	25	− 6	1308	− 43	33	− 1
	— CHANNEL ISLANDS	7	23	14 more	178	+15	23·5	− 2·8	26	+ 4	38	+ 6	1628	−143	41	− 4

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was extremely unsettled over the whole Kingdom. Rain, often in considerable amounts, was experienced nearly every day, and the general condition was occasionally boisterous and squally. Thunder and lightning, or lightning singly, occurred in many parts of Great Britain and at a few Irish stations some time during the week.

Temperature was a little above the mean in England S. and E. and Scotland N., about equal to or rather below it elsewhere. The highest of the maxima were generally recorded during the earlier half of the week, and ranged from 58° in England S. and Ireland S. to 54° in Scotland N. and England N.W., and to 53° in Ireland N. The lowest of the minima, which were registered on rather variable dates, ranged from 28° in England N.E. and 29° over Ireland and in England S.W. to 33° in England S. and E. and Scotland W., and to 44° in the Channel Islands.

Rainfall exceeded the mean in all districts excepting Scotland N. and W. and Ireland S. The excess was large, especially in the Channel Islands, the south-west and south of England, and the east of Scotland. In England S. and Scotland E. the fall was about three times the average.

Bright Sunshine was somewhat in excess of the mean in the Channel Islands and a few parts of England, but in defect as a whole. The percentage of the possible duration ranged from 38 in the Channel Islands and 34 in England S.W. to 16 in England N.W. and Scotland N., 12 in Scotland E., and to 9 in Ireland N.

Barometer and Wind. As the week commenced the barometer was falling decidedly over the United Kingdom, and by Monday the centre of a large depression lay over the north of Ireland. This system, after moving to the north of England by Tuesday, became merged in a deeper disturbance whose centre had appeared over the mouth of the English Channel by 8 a.m. on Wednesday. This system at first moved north-eastwards to the coast of Dorset, but afterwards travelled north-north-westwards to the Irish Sea, at the same time decreasing in depth. On Thursday and Friday the depression moved southwards again, but continued to disperse, the lowest barometer readings on Saturday morning being about seven-tenths of an inch higher than those of Wednesday. Under these circumstances the wind varied much both in direction and strength. It was, as a rule, however, between South and West on our southern coasts, strong to a gale at times, and from some Easterly point in the north.

4198 370 Wy. & S. Ltd. 11 | 05

II.—DATA from which the SUMMARY on page 259 has been calculated.

Districts. Oct. 29-Nov. 4, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
O. SCOTLAND, N.	Sumburgh Head	48	35	45·9	39·0	42·5	− 1·3	16	8	7	0·74	− 0·22	*	*	*	*
	Stornoway	54	35	49·3	41·4	45·4	+ 1·6	26	2	2	0·17	− 1·03	14·1	+ 0·1	23	0
	Wick	52	32	49·1	40·0	44·6	+ 0·8	27	6	6	1·20	+ 0·54	*	*	*	*
	Lairg 𝔖	54	33	47·9	37·2	42·6	+ 1·1	24	13	7	2·24	+ 1·40	*	*	*	*
	Glencarron 𝔖	51	35	46·5	38·8	42·7	0·0	18	9	6	1·03	− 1·09	*	*	*	*
	Fort Augustus 𝔖	54	35	49·2	39·8	44·5	+ 0·5	27	6	7	0·69	− 0·29	8·7	− 0·1	14	0
1. SCOTLAND, E.	Nairn	51	33	48·0	38·4	43·2	− 0·2	24	10	7	1·43	+ 0·90	*	*	*	*
	Aberdeen	51	39	49·4	43·4	46·4	+ 2·1	31	0	7	2·12	+ 1·42	7·6	− 9·3	12	− 15
	Braemar 𝔖	47	34	44·8	37·8	41·3	+ 0·8	8	17	7	3·56	+ 2·69	*	*	*	*
	Clathick 𝔖	51	34	46·5	39·7	43·1	− 0·4	17	6	7	2·30	+ 1·31	*	*	*	*
	Leith	57	37	50·6	42·3	46·5	+ 1·1	32	0	7	1·76	+ 1·30	*	*	*	*
	Marchmont 𝔖	51	31	47·1	35·0	41·1	− 1·9	14	28	7	1·44	+ 0·65	9·2	− 6·1	15	− 10
2. ENGLAND, N.E	Alnwick Castle	52	31	49·2	34·5	41·9	− 2·7	20	32	7	1·55	+ 0·80	*	*	*	*
	Durham	51	28	48·6	38·0	43·3	− 1·0	26	11	3	1·26	+ 0·60	9·3	− 6·6	15	− 10
	Shields	53	34	50·4	37·7	44·1	− 1·3	33	12	6	1·23	+ 0·67	*	*	*	*
	Scarborough 𝔐	55	37	51·8	41·6	46·7	+ 0·8	35	1	5	0·87	+ 0·17	15·4	—	24	—
	Spurn Head	54	39	51·3	42·1	46·7	+ 0·1	33	0	6	0·44	− 0·08	*	*	*	*
	Lincoln	54	31	51·0	36·0	43·5	− 2·0	36	17	6	0·75	+ 0·23	*	*	*	*
	Fulbeck (Lincolnshire)	54	32	50·4	38·4	44·4	0·0	32	10	7	0·72	+ 0·22	15·7	—	24	—
3. ENGLAND, E.	Hillington 𝔐	56	35	53·6	40·2	46·9	+ 1·6	42	5	7	0·68	+ 0·07	15·8	− 1·2	24	− 2
	Yarmouth	52	37	51·0	43·1	47·1	+ 0·6	36	0	3	0·58	− 0·07	*	*	*	*
	Geldeston	56	34	54·3	39·6	47·0	+ 0·6	45	7	5	0·52	− 0·07	20·7	+ 1·2	31	+ 2
	Cambridge	56	33	53·8	39·2	46·5	+ 0·9	43	8	6	0·83	+ 0·36	22·2	+ 3·2	34	+ 5
	Felixstowe	53	42	51·6	44·8	48·2	+ 2·0	43	0	6	0·86	—	25·3	—	38	—
	Clacton-on-Sea	53	39	51·3	44·0	47·7	+ 1·7	40	0	5	0·85	—	23·3	—	35	-
	Rothamsted	54	34	52·2	30·8	46·0	+ 0·9	37	6	7	1·52	+ 0·88	19·5	+ 0·3	30	0
	Shoeburyness	54	42	52·9	43·4	48·2	+ 1·7	43	0	6	0·75	+ 0·25	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	52	31	48·7	36·2	42·5	− 1·7	28	16	6	1·94	+ 1·25	9·1	—	14	—
	Bawtry (Hesley Hall)	55	32	50·1	36·6	43·4	− 1·2	32	15	6	0·95	+ 0·41	*	*	*	*
	Nottingham	54	30	51·3	37·3	44·3	− 1·1	36	13	6	0·77	+ 0·24	13·3	—	21	—
	Colly Weston (Stamford)	54	30	51·4	38·6	45·0	− 0·3	35	10	7	0·82	+ 0·23	*	*	*	*
	Cheadle 𝔐	52	34	48·1	37·9	43·0	− 0·9	24	11	6	1·30	+ 0·57	*	*	*	*
	Birmingham (Edgbaston)	53	35	49·6	39·6	44·6	− 0·8	28	7	6	1·61	+ 1·01	12·3	—	19	—
	Shrewsbury	55	34	49·6	37·5	43·6	− 2·0	30	13	6	0·86	—	*	*	*	*
	Hereford 𝔐	54	32	50·1	37·9	44·0	− 1·8	31	11	7	1·53	+ 0·93	*	*	*	*
	Cirencester	55	31	52·1	37·5	44·8	+ 0·2	39	13	6	1·42	+ 0·73	22·6	+ 4·9	34	+ 7
	Oxford	56	35	52·7	40·9	46·8	+ 1·7	38	3	6	1·66	+ 1·14	25·1	+ 7·2	38	+ 11
5. ENGLAND, S.	Westminster	56	35	53·7	43·3	48·5	+ 2·2	46	0	7	1·56	—	11·0	+ 0·6	17	+ 1
	London (Brixton)	56	37	53·3	42·6	48·0	+ 1·1	42	0	7	1·63	+ 1·08	10·8‡	− 2·0‡	16‡	− 3‡
	Wisley (Surrey)	56	37	53·1	42·9	48·0	+ 1·0	42	0	7	1·98	—	15·3	—	23	—
	Swarraton (Alresford) 𝔐	56	33	52·5	38·6	45·6	+ 0·4	39	10	7	2·39	+ 1·64	*	*	*	*
	Tunbridge Wells 𝔐	53	40	51·6	41·3	46·5	+ 1·2	34	2	7	2·80	—	15·3	—	23	—
	Dungeness	55	34	53·0	45·6	49·3	+ 1·0	51	0	6	2·14	+ 1·49	9·4	—	14	—
	Hastings (St. Leonards)	55	45	53·2	46·6	49·9	+ 1·7	55	0	7	1·90	+ 1·10	12·7	− 8·8	19	− 13
	Southampton	58	39	54·9	44·3	49·6	+ 1·9	53	0	7	2·87	+ 2·12	22·5	+ 2·7	34	+ 4
	Portland Bill	56	45	54·3	47·0	50·7	+ 1·9	61	0	7	2·12	—	*	*	*	*
	Shaftesbury 𝔐	54	41	50·9	42·6	46·8	+ 1·8	34	0	7	2·51	+ 1·69	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	52	37	49·5	41·2	45·4	0·0	27	2	6	0·31	− 1·47	*	*	*	*
	Glasgow	50	39	48·1	41·6	44·9	+ 0·7	22	1	6	0·64	− 0·22	3·3	− 7·2	5	− 12
	Cally 𝔖	56	35	53·4	39·2	46·3	+ 1·8	42	8	5	2·16	+ 1·00	*	*	*	*
	Aspatria	52	35	49·7	38·3	44·0	− 0·2	30	10	4	0·36	—	13·8	—	29	—
	Douglas (Isle of Man)	54	33	50·2	42·1	46·2	− 0·2	29	0	6	1·59	+ 0·55	6·7	− 11·8	11	− 18
7. ENGLAND, N.W.	Newton Rigg	51	32	48·6	36·7	42·7	− 0·3	27	15	5	0·96	—	15·3	—	24	—
	Stonyhurst	51	35	48·5	39·9	44·2	− 0·6	24	6	5	0·66	− 0·43	9·0	− 5·4	14	− 8
	Blackpool 𝔐	52	35	49·6	39·2	44·4	− 1·8	29	8	5	0·98	+ 0·13	9·4	− 5·2	15	− 8
	Manchester (Prestwich)	53	34	49·4	39·9	44·7	− 0·5	28	6	7	0·88	+ 0·03	5·5	—	8	—
	Liverpool Obsy. (Bidston)	51	37	48·7	39·9	44·3	− 2·1	25	6	6	0·82	+ 0·11	9·1	—	14	—
	Chester (Hawarden Bridge)	54	36	50·5	39·3	44·9	− 2·0	32	8	5	1·01	—	*	*	*	*
	Llandudno 𝔐	54	38	50·2	41·1	45·7	− 2·4	30	3	5	1·78	+ 0·95	14·2	− 1·3	22	− 2
	Holyhead	53	39	50·7	43·3	47·0	− 1·5	35	0	5	1·97	+ 1·03	*	*	*	*
	Bettws-y-Coed	53	31	49·4	36·4	42·9	− 4·0	30	16	7	1·97	—	9·9	—	15	—
8. ENGLAND, S.W.	Llangammarch Wells	51	29	48·7	35·5	42·1	− 1·8	28	18	7	1·90	—	—	—	—	—
	Pembroke	56	43	52·9	46·1	49·5	+ 0·2	53	0	7	1·30	+ 0·39	17·2	− 1·3	26	− 2
	Cardiff	56	32	53·0	39·8	46·4	− 1·1	40	6	7	1·81	—	*	*	*	*
	Clifton	55	38	51·9	42·8	47·4	+ 0·9	38	0	6	1·66	+ 0·84	*	*	*	*
	Bath	56	33	54·1	38·3	46·2	− 0·7	45	10	5	1·57	+ 0·87	24·1	—	37	—
	Arlington (N. Devon)	54	35	51·6	40·9	46·3	− 0·1	35	3	7	2·42	+ 1·05	*	*	*	*
	Cullompton 𝔐	57	31	53·9	38·0	46·0	− 0·1	45	11	6	2·32	+ 1·47	22·7	+ 5·7	34	+ 9
	Falmouth	55	41	52·7	41·1	48·4	− 1·2	45	0	7	3·35	+ 2·15	24·5	+ 3·4	37	+ 5
	Plymouth	56	35	54·9	41·4	48·2	− 0·6	46	2	7	2·29	+ 1·45	24·3	+ 5·2	36	+ 8
9. IRELAND, N.	Malin Head	52	40	49·0	43·3	46·2	− 0·3	29	0	7	1·12	+ 0·42	*	*	*	*
	Edenfel (Omagh)	50	31	47·4	37·9	42·7	− 1·0	22	11	5	0·75	− 0·09	*	*	*	*
	Blacksod Point	51	36	49·7	41·7	45·7	− 2·0	27	1	7	1·77	+ 0·57	*	*	*	*
	Markree Castle	51	29	48·3	37·0	42·7	− 2·5	26	14	7	0·88	− 0·05	5·4	− 10·8	8	− 17
	Armagh	50	35	48·6	38·6	43·6	− 1·3	25	10	7	0·90	+ 0·26	6·0	− 10·7	9	− 17
	Donaghadee	53	39	50·4	42·9	46·7	+ 0·3	33	0	7	1·64	+ 0·92	*	*	*	*
10. IRELAND, S.	Dublin	52	35	50·1	40·2	45·2	− 2·1	30	5	6	1·08	+ 0·47	9·0	− 11·5	14	− 18
	Birr Castle	53	29	49·3	36·0	42·7	− 2·8	30	17	7	0·82	+ 0·14	13·0	− 5·6	20	− 9
	Kilkenny	53	30	50·4	35·7	43·1	− 3·3	34	18	5	0·18	− 0·52	*	*	*	*
	Waterford	54	31	50·4	36·0	43·2	− 3·8	34	17	3	0·22	− 0·68	*	*	*	*
	Roche's Point	53	38	51·1	41·7	46·4	− 2·4	32	1	7	0·29	− 0·73	*	*	*	*
	Valencia	53	35	52·4	41·3	46·9	− 2·6	37	2	6	1·47	+ 0·17	25·6	+ 6·3	39	+ 10
	Killarney	58	33	53·6	39·6	46·6	− 1·1	42	7	6	1·52	+ 0·15	*	*	*	*
	Foynes	54	33	48·8	40·1	44·5	− 2·3	25	5	6	1·36	+ 0·44	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	55	44	53·0	46·6	49·8	− 1·8	55	0	7	3·30	+ 2·46	28·9	+ 7·2	43	+ 11
	Jersey (St. Aubyn's)	57	45	55·6	48·1	51·9	+ 0·8	69	0	7	1·21	+ 0·25	25·7	+ 2·9	38	+ 4

Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society and that for Stations marked 𝔖 is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

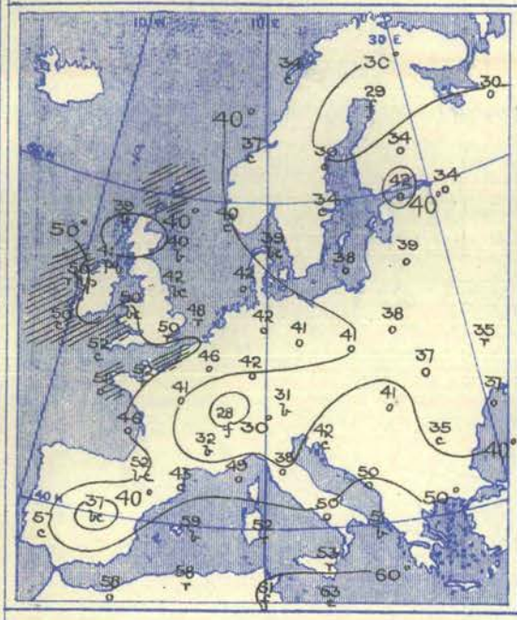
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

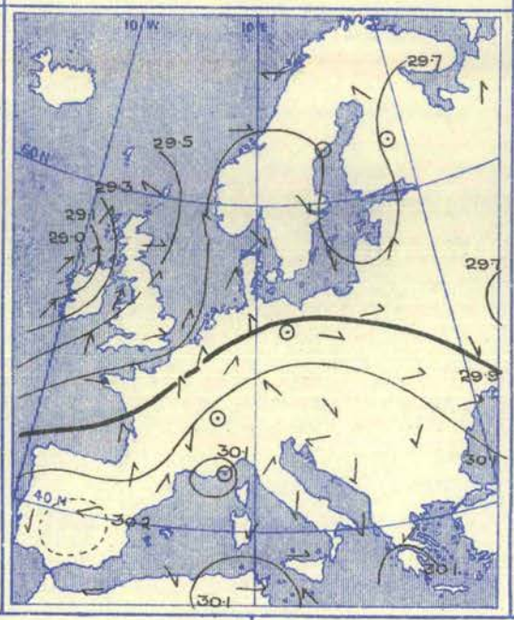
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 29th October, 1905.

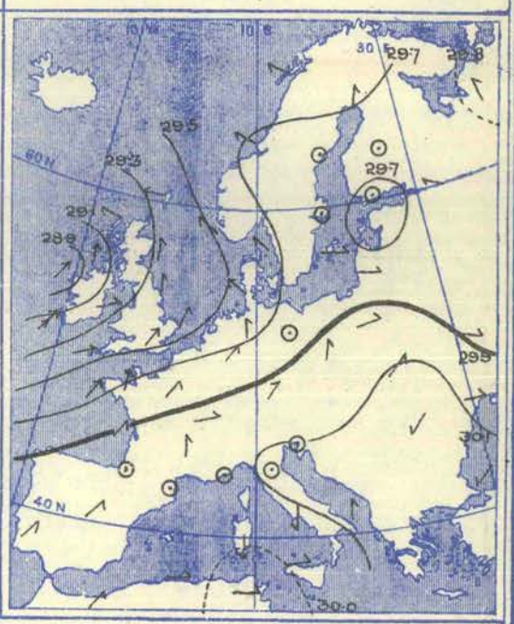
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in a few places, but cloudy or overcast generally, with rain in various parts of the United Kingdom, at Kiev, and at some Mediterranean stations. Rather heavy rain later over our Islands and large amounts in different Continental localities. More than an inch at Palermo and also at La Calle. A thunderstorm experienced at Holyhead during evening and lightning seen at Scilly.

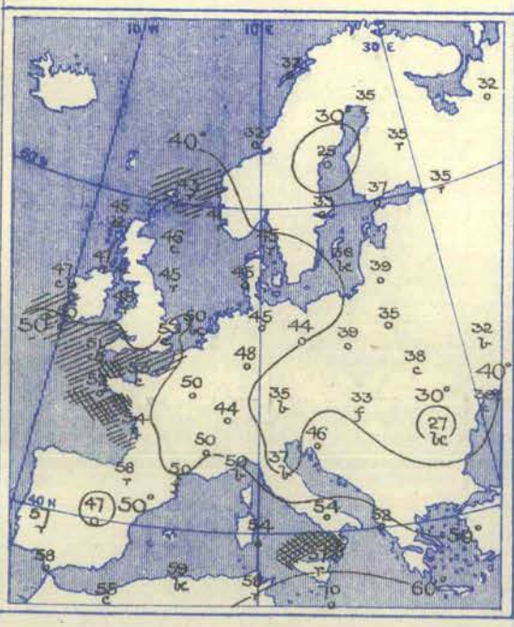
Temperature risen over Great Britain, the west and south of France, and in Italy, fallen in most other regions. Morning readings highest, 63° at Malta, 59° at Palma, and above 50° in the extreme south generally. Lowest, 28° (1) at Uleaborg and Karlstad, (2) at Belfort, 31° at Munich, 35° at Hermanstadt, 37° at Madrid. Rising during day to above 55° at some English and Scotch stations, to 60° or a little higher in some southern regions, and to 71° at Malta.

Wind at 8 a.m. Southerly or South-Westerly over our Islands and their neighbourhood and moderate to fresh or strong in force. Mainly Westerly over central Europe and variable elsewhere. Increasing in force over our Islands later and blowing a fresh gale in the south-west of Ireland.

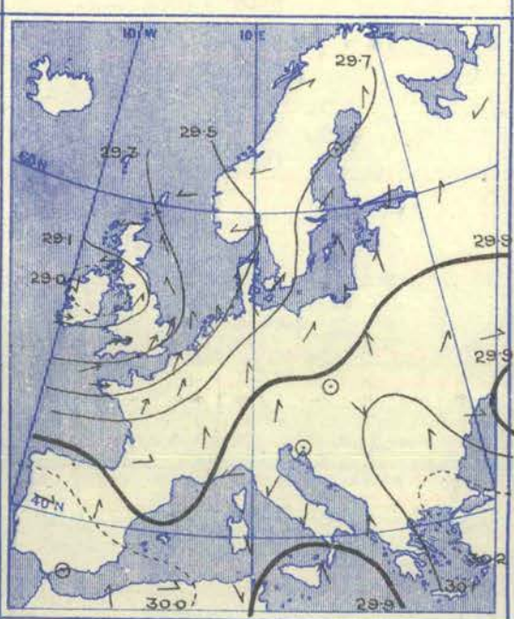
Barometer at 8 a.m. above 30·1 ins. over nearly all parts of the Mediterranean and southern Europe, and below 29·0 ins. in a large and rather deep depression centred off our own north-west coasts. Pressure giving way steadily over the United Kingdom and in nearly all parts of Europe during day and very little change occurring in the baric gradient.

Monday, 30th October, 1905.

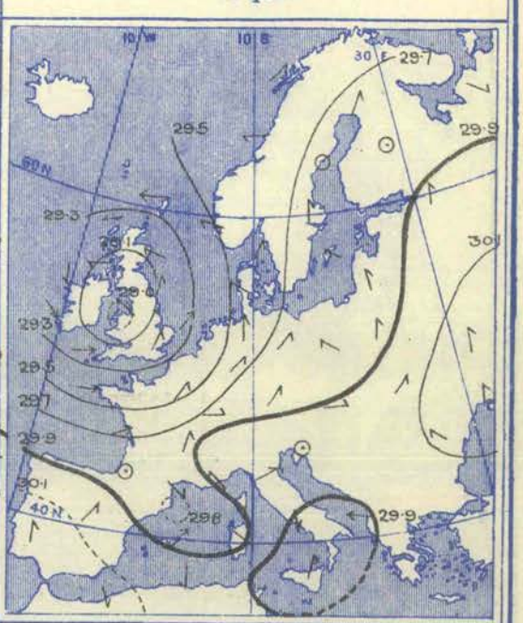
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in a few isolated places, but dull as a whole, with rain in several parts of these Islands, France, at Lisbon, in the south of Norway, and Finland, and snow at Bodö. Rain experienced very generally later over the United Kingdom and in various parts of northern and southern Europe—largest amounts, 1·4 in. at Dungeness, 2·1 ins. at Cape Gris Nez, and 2·0 ins. at Brindisi. Thunder or lightning occurring at our own southern stations.

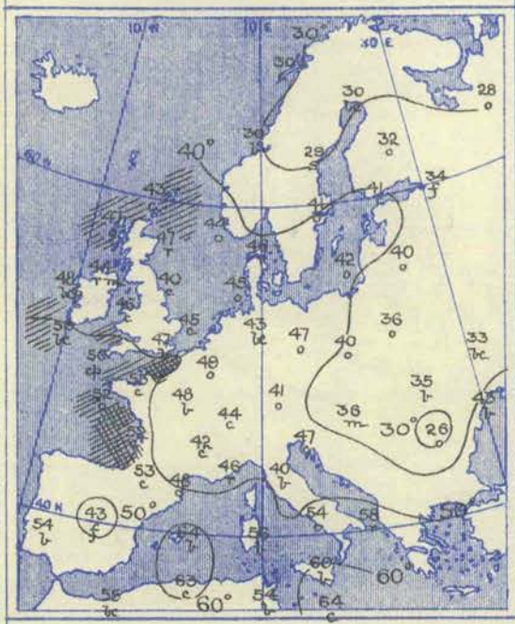
Temperature changed irregularly—risen quickly over France. Morning readings as high as 70° at Malta, but below 60° at other southern stations. Below 40° over the greater part of the Continent and below 32° in places. Lowest values, 27° at Hermanstadt and 25° at Hernösand. Maxima during day, 74° at Malta, 70° at Nemours, 68° at Barcelona, and to above 60° at many other southern stations. Below 50° in many northern regions and thermometer remaining below 32° in places.

Wind in morning showing a cyclonic circulation around Ireland. Only moderate to fresh generally, but blowing a gale from West-South-West at Pembroke. Light and somewhat variable airs prevalent in almost all other parts of our area. Increasing in force on many parts of our coasts later, but gale subsiding at Pembroke.

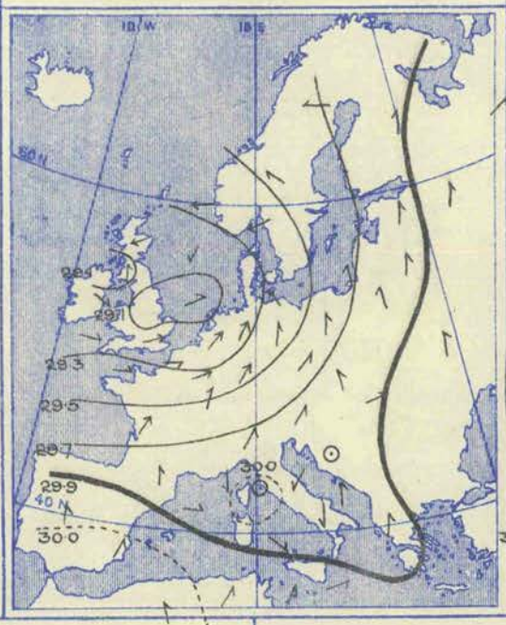
Barometer at 8 a.m. highest, 30·2 ins. and upwards over Turkey. Lowest, 29·0 ins. and less in a depression centred over Ireland. Latter system travelling slowly eastwards during day and barometer rising briskly on the west coast of Ireland. Some shallow disturbances appearing over the Mediterranean region.

Tuesday, 31st October, 1905.

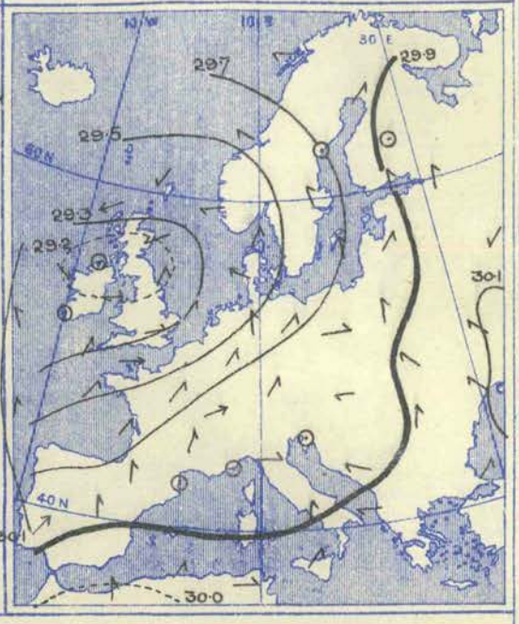
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright at many stations in the extreme south and in a few isolated places elsewhere. Cloudy or quite overcast generally, with rain in several localities and snow at Hernösand. Rain later at nearly all our own stations and in many parts of France and Italy, and northern Europe—largest amount, 1·8 in. at Leghorn.

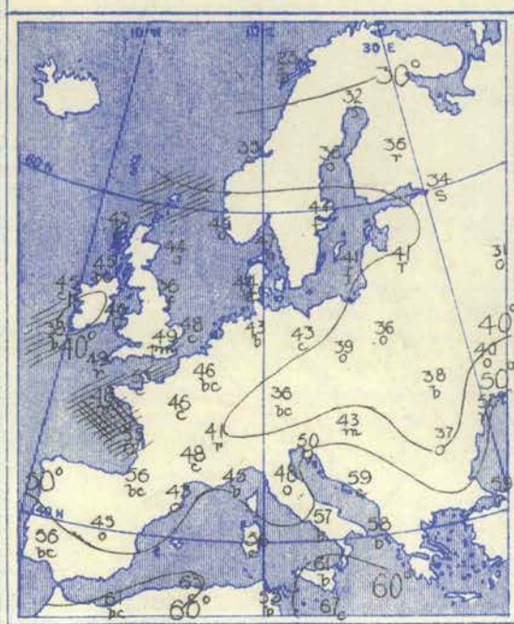
Temperature changed little and irregularly. Readings in morning highest, 64° at Malta, 63° at Algiers, 60° at Palma, 58° at Brindisi. Lowest, 26° at Hermanstadt, 28° at Archangel, about 30° in the north of Sweden and Norway. Rising subsequently to above 50° in most parts of Ireland and England, to above 60° in the south of Europe, and to 70° or a little higher at Malta and in Algeria. Maxima below 60° at some German and Austrian stations.

Wind in morning circulating cyclonically around our Islands and varying in force from a moderate breeze to a moderate gale. Light and rather variable over the Mediterranean and light and mainly Southerly over the eastern half of the Continent. Decreasing in force later in most parts of the United Kingdom, but remaining strong from the Eastward at Wick.

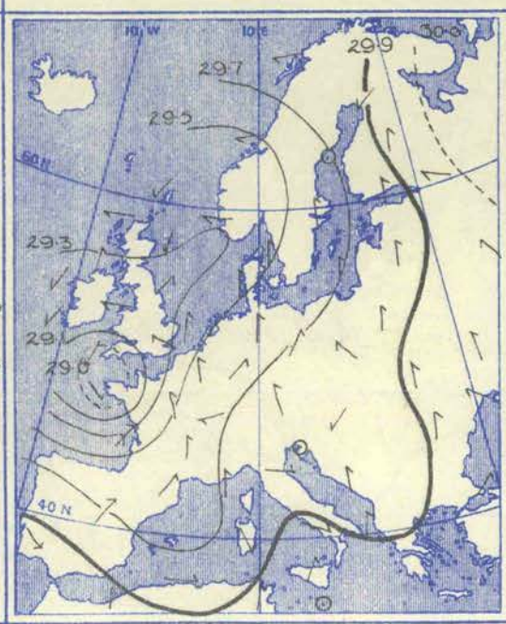
Barometer at 8 a.m. ranging from above 30·1 ins. over the south of Russia to below 29·1 ins. in a depression centred over the north of England, and in another minimum off the north of Ireland. Depressions over our Islands becoming less deep during day, but a fresh fall of the barometer setting in over the Peninsula, the Bay of Biscay, and our extreme south-west coasts.

Wednesday, 1st November, 1905.

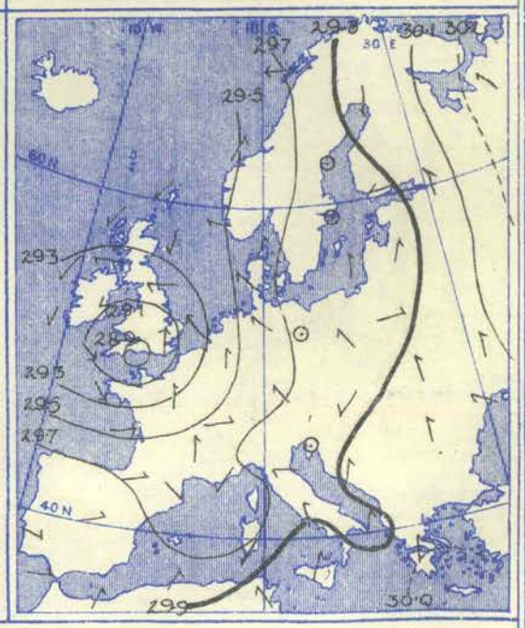
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine at most stations in southern Europe; cloudy or overcast generally, with rain or snow in Finland, and rain in the north of Denmark and in several parts of our Islands and France. Rain falling later in nearly all parts of our area except Germany and the Netherlands; about an inch at Scilly and nearly an inch and a half in the south and south-east of France.

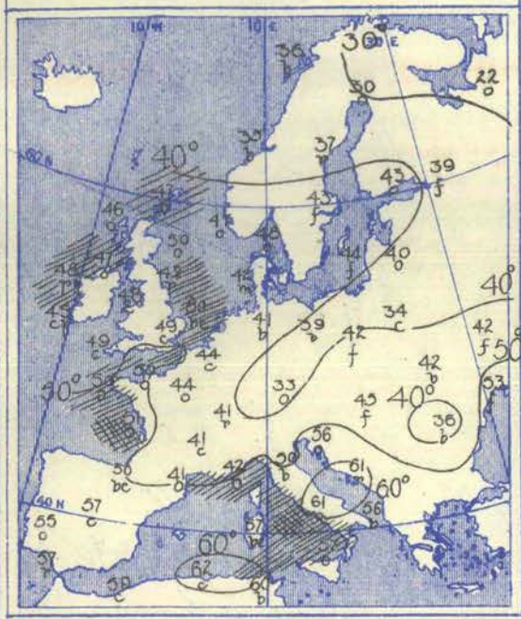
Temperature changed irregularly. Morning readings highest, 68° at Oran, 67° at Malta, 61° at Palermo. Lowest, 25° at Bodö, 31° at Moscow, below 40° in most parts of northern and central Europe. Rising during day to 82° at Tunis, to above 70° at several other stations in the extreme south, and to above 50° over most parts of central Europe and at some of our own stations.

Wind at 8 a.m. cyclonic over our area generally; a complete circulation prevailing over the mouth of the English Channel. A moderate gale from South-West blowing at Rochefort and a fresh gale from East-South-East at Jersey. Wind increasing somewhat at most stations in our Islands later.

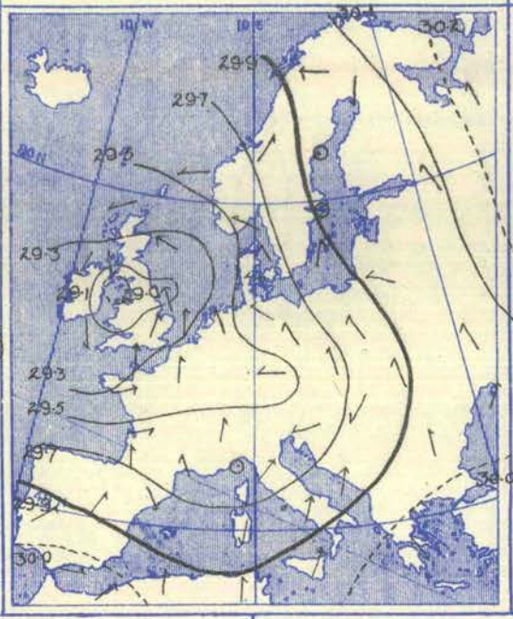
Barometer in morning ranging from above 30·0 ins. over the south of Russia to below 29·0 ins. in a depression centred a little to the northward of Brest. Disturbance travelling very slowly north-eastwards during day, but changing its course during the night and moving north-north-westwards towards the Irish Sea. A secondary system travelling eastwards to the Gulf of Lyons.

Thursday, 2nd November, 1905.

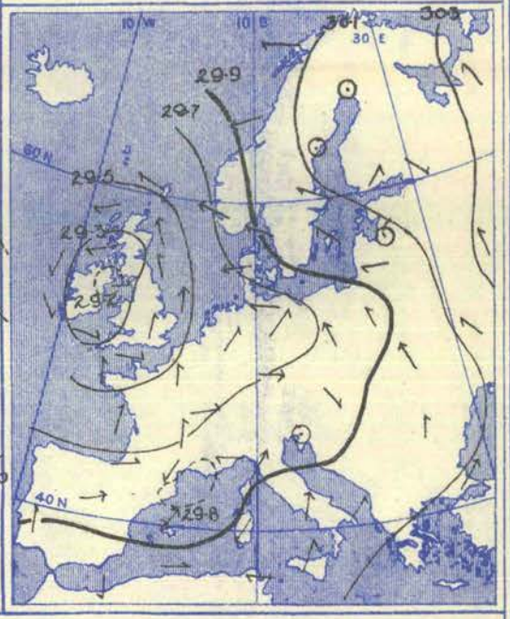
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very unsettled, with occasional rain over our Islands and their neighbourhood. Fine and bright in many parts of southern Europe, but rainy at Turin and Lesina. Fog prevailing in several parts of central Europe and in the south of Sweden. Rain experienced later in most British and French localities and in various other parts of our area. A thunderstorm experienced at Perpignan.

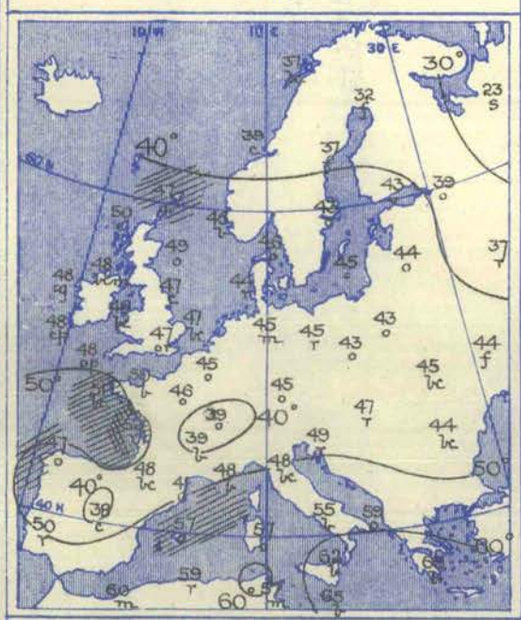
Temperature risen over the United Kingdom, changed little or fallen in most other regions. Readings at 8 a.m. ranging from 65° at Patras and 62° at Algiers to below 40° in many parts of central Europe, and to below 30° in the north of Russia. Lowest value, 22° at Archangel. Thermometer rising to above 50° during day at most of our own stations and in central Europe, and to above 60° in the south. Highest values, above 70° in Greece, Sicily, Malta, and Algeria, and 82° at Tunis.

Wind at 8 a.m. showing a complete circulation of moderate to strong winds over these Islands and moderate to very strong winds between South-West and North-West over the Mediterranean region. Light winds—mainly from South or South-East—over the east and north-east of our area. A strong gale from the South-Westward springing up later in the Balearic Isles, but no change of a general character occurring.

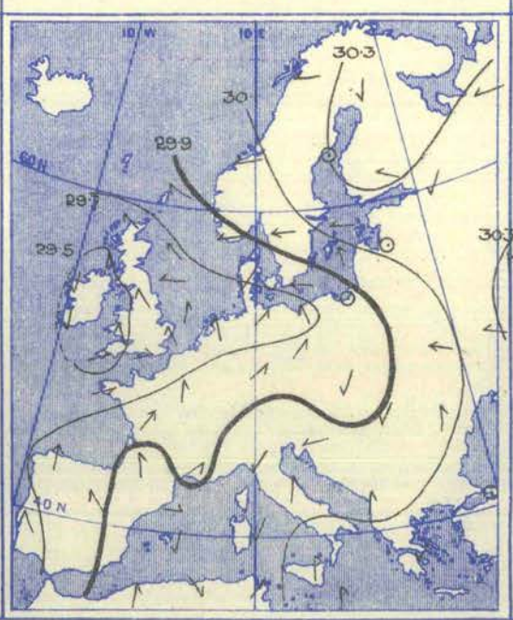
Barometer in morning as low as 29·0 ins. in a depression having its centre over the Irish Sea; readings increasing to above 30·0 ins. in Morocco and Turkey, and to above 30·2 ins. over the eastern half of Russia. Centre of Irish depression moving a little to the westward by 6 p.m., but system becoming rather less deep. Pressure increasing in all parts of our Islands and briskly in Scandinavia and Finland. A secondary disturbance moving northwards over Germany.

Friday, 3rd November, 1905.

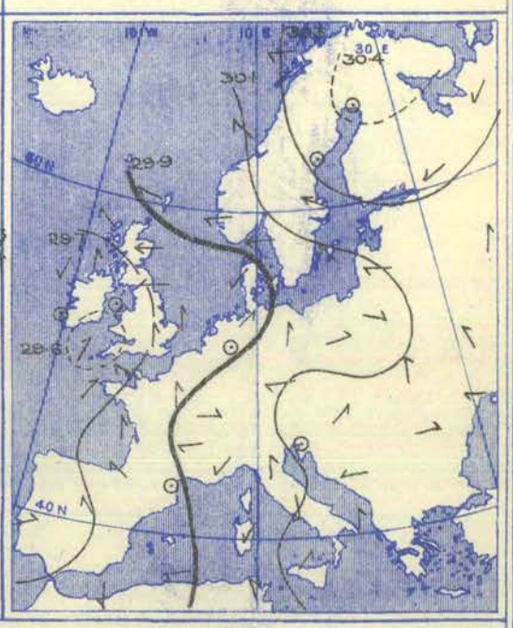
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in nearly all parts of southern Europe, but rainy in Portugal and also in Algeria. Cloudy or overcast over the central and northern parts of our area, with showers in various British and Irish districts, rain in many Continental regions, and snow at Archangel. Rain experienced later in most parts of the United Kingdom, with thunderstorms in Wales. Rain in various quantities in many Continental localities—as much as 1·3 in. at Warsaw.

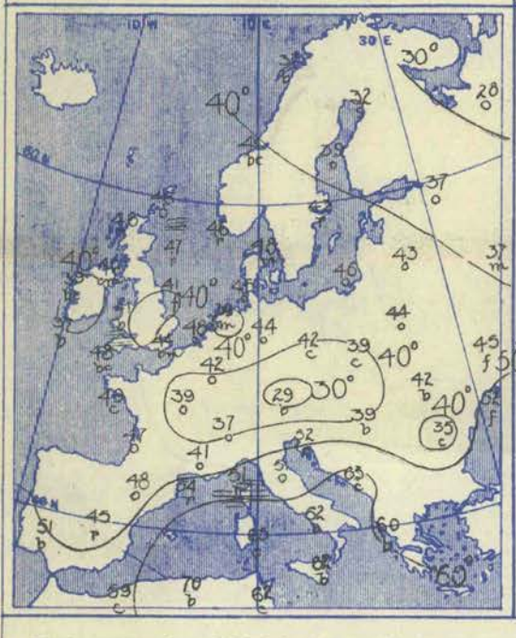
Temperature fallen quickly over the Spanish Peninsula, changed irregularly generally. Morning readings as high as 69° at Malta and above 60° at several other stations in the extreme south. Below 50° over our area generally and below 40° in places. Lowest value, 25° at Archangel. Maxima during day above 70° in the north of Africa and the south of Italy and 60° or above in most southern regions. Above 50° in most parts of our Islands and central Europe, but only 49° at Turin.

Wind at 8 a.m. mainly South-Westerly, moderate to fresh, over the south-western portion of our area, moderate to strong from the Eastward in the north, and Northerly in the west of Ireland. No general change in direction later, but some decrease in force occurring in several places.

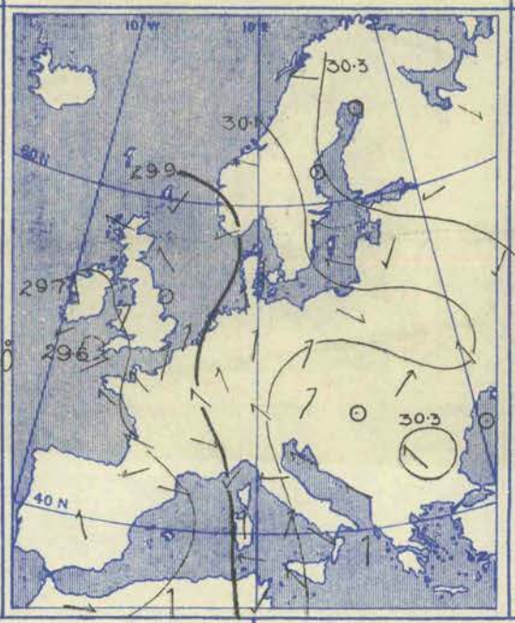
Barometer in morning above 30·3 ins. over Finland and Lapland and also over the greater part of Russia. Below 29·5 ins. in a depression of a complex character over Ireland and relatively low over North Germany and to the westward of Portugal. Little change in the general distribution later. Barometer rising somewhat over Finland, these Islands and the greater part of France; falling over the Iberian Peninsula and the south-west of France.

Saturday, 4th November, 1905.

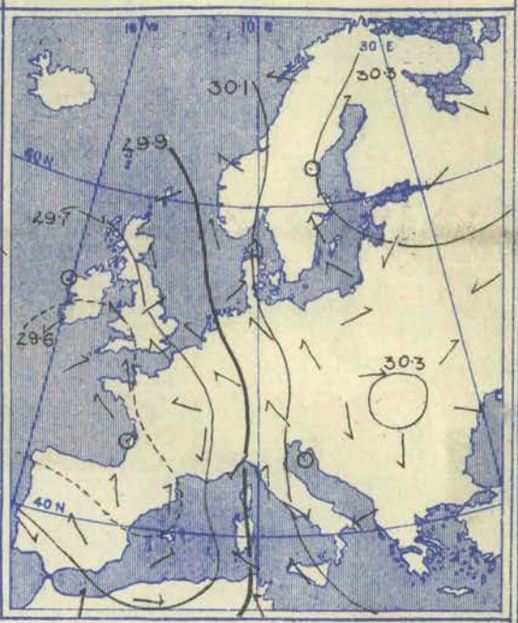
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in a few localities, but very cloudy or quite overcast generally. Fog prevailing over central England and at Vienna, snow at Haparanda, rain in the south of Scandinavia, in the Hebrides, at Madrid, Barcelona, and in the south of France, and a thunderstorm in progress at Donaghadee. Rain experienced later in nearly all parts of western and in several parts of southern Europe—largest amount, 1·6 in. at Limoges.

Temperature risen at several stations in the south, fallen over our area generally. Readings in morning highest, 70° at Algiers, 65° at Cagliari, 63° at Lesina, and about 60° at a few other southern stations. Below 40° over Europe generally, and below the freezing point at Munich and Archangel. Low locally at Birr Castle and Nottingham. Subsequently rising to 83° at Palermo, 82° at Tunis, above 70° in the south of Italy and at Palma, and to 68° at Marseilles. Maximum only 48° at Madrid, 46° at Turin, and about 50° over most parts of central Europe and the United Kingdom.

Wind in morning light and anticyclonic over the major portion of the Continent, light and irregularly cyclonic over the United Kingdom and the Spanish Peninsula. Little change as a whole during day, but some increase in force taking place over various shores of the Mediterranean.

Barometer at 8 a.m. above 30·3 ins. over Finland and its neighbourhood, and above 30·2 ins. in another high pressure area extending from central Europe to Asia Minor. Lowest, 29·7 ins. and less over Ireland, the Bay of Biscay, and the Spanish Peninsula. Lowest value, about 29·6 ins. over the Bristol Channel. Pressure giving way irregularly later over the United Kingdom and France, but little change occuring over our area generally.

IV.—GENERAL NOTES, etc.

The week passed without the presence of any well-marked area of high pressure, but the barometer was generally highest either in the extreme south-west or east of Europe. The cyclonic disturbances were, as a rule, of little depth, except those which appeared over the United Kingdom. In the Mediterranean and over central Europe they were usually ill-defined, but those in the former region were accompanied by very heavy local rains and by some strong winds. The systems that reached the United Kingdom were deeper and caused very general falls of rain and a considerable increase in the force of the wind over most parts of north-western Europe. A South-Westerly gale was experienced on our southern coasts during the earlier part of the week and again on Wednesday, while strong Easterly winds were felt later on the east and north-east coast of Scotland.

Temperature was not low for the time of year. The maximum readings were mostly above 50° over the United Kingdom, a few degrees below it in the central countries, and often above 70° in the extreme south of our area. Slight frost was experienced at night in most inland districts of the Continent.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 260.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	12·7	- 0·3	21	- 1
STRATHPEFFER SPA	2·6	- 12·2	4	- 20
CRATHES	6·8	—	11	—
BALRUDDERY	6·1	—	10	—
EDINBURGH	7·7	- 6·5	12	- 10
COCKLE PARK	11·6	—	18	—
NEWCASTLE-on-TYNE	6·9	—	11	—
SALTBURN-by-the-SEA	19·8	—	31	—
YORK	8·0	- 5·8	12	- 9
SKEGNESS	23·0	—	35	—
CROMER	20·2	—	31	—
LOWESTOFT	23·7	—	36	—
DUNMOW	15·0	—	23	—
SHEFFIELD	8·8	—	14	—
WORKSOP	10·4	- 4·2	16	- 7
MARGATE	7·7	- 11·2	12	- 17
RAMSGATE	11·2	—	17	—
EASTBOURNE	? 12·6	- 7·9	19	- 12
BRIGHTON	12·5	- 8·7	19	- 13
WORTHING	15·8	—	24	—
BOGNOR	16·6	—	25	—
VENTNOR HOSPITAL	13·9	- 7·1	21	- 11
BOURNEMOUTH	22·4	—	34	—
MARLBOROUGH	23·2	+ 6·4	35	+ 10
SOUTHPORT	9·2	—	14	—
RHYL	10·2	—	16	—
ABERDOVEY	10·2	—	16	—
ABERYSTWYTH	12·7	—	19	—
TENBY	17·8	- 0·9	27	- 1
TORQUAY	23·3	+ 9·2	42	+ 14
NEWQUAY	24·3	+ 3·0	36	+ 5
GUERNSEY	22·3	+ 2·3	33	+ 3

Reports received too late for insertion in their proper places.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration.	Difference from the Mean for the Week.
No. 43, page 254	Lincoln	53	31	49·1	33·4	41·0	- 5·4	20	33	5	0·25	- 0·29	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No 45. FORTY-FIFTH WEEK, ENDING SATURDAY, NOVEMBER 11TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 266.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	52	24	46·6	37·8	42·2	0 (average)	19	− 3	12	− 2	1946	− 5	553	− 73
	1. SCOTLAND, EAST	51	26	46·8	36·2	41·6	1 below	13	− 9	24	+ 6	2249	− 49	592	− 98
	2. ENGLAND, N.E.	52	31	48·2	38·2	43·2	1 below	24	− 3	11	− 1	2693	+173	447	− 97
	3. ENGLAND, EAST	53	25	48·8	36·8	42·9	2 below	28	− 3	15	+ 3	3042	+136	432	−163
	4. MIDLAND COUNTIES	53	28	48·6	35·8	42·2	2 below	27	− 3	17	+ 2	2846	− 7	499	−121
	5. ENGLAND, SOUTH	54	25	50·6	37·1	43·9	2 below	34	− 7	14	+ 6	3075	−126	352	− 82
Principal Grazing Districts.	6. SCOTLAND, WEST	51	28	47·6	39·2	43·5	1 below	22	− 6	8	− 3	2491	+ 41	391*	− 81
	7. ENGLAND, N.W.	54	30	48·7	39·3	44·1	1 below	26	− 6	8	0	2682	− 11	336	− 90
	8. ENGLAND, S.W.	55	26	51·0	36·6	43·9	2 below	36	− 5	15	+ 9	2931	− 66	312	− 19
	9. IRELAND, NORTH	52	23	49·0	38·9	44·0	1 below	27	− 3	9	− 1	2577	− 12	327	− 66
	10. IRELAND SOUTH	55	23	50·6	36·9	43·8	3 below	34	− 5	14	+ 6	3028	+ 77	245	− 44
	— CHANNEL ISLANDS	57	39	54·5	43·7	49·2	1 below	50	−11	0	− 1	3496	− 9	58	− 65

Rainfall.

	DISTRICTS. (See p. 266.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	12	1 more	240	+46	42·4	+ 4·7
	1. SCOTLAND, EAST	6	14	7 more	189	+22	24·6	− 2·1
	2. ENGLAND, N.E.	5	10	4 more	149	− 5	17·6	− 3·9
	3. ENGLAND, EAST	4	5	1 less	149	− 5	18·1	− 2·7
	4. MIDLAND COUNTIES	5	9	3 more	152	+ 5	19·6	− 4·1
	5. ENGLAND, SOUTH	5	12	5 more	148	+ 3	23·0	− 0·9
Principal Grazing Districts.	6. SCOTLAND, WEST	5	10	2 less	177	+ 4	38·3	− 3·5
	7. ENGLAND, N.W.	6	13	5 more	168	+ 4	26·9	− 2·8
	8. ENGLAND, S.W.	5	12	3 more	162	− 2	27·7	− 4·3
	9. IRELAND, NORTH	6	11	2 more	204	+ 8	29·8	− 1·1
	10. IRELAND, SOUTH	5	5	4 less	182	+ 6	28·2	− 5·8
	— CHANNEL ISLANDS	6	13	4 more	184	+16	24·8	− 2·4

Bright Sunshine.

	DISTRICTS. (See p. 266.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	9	− 1	16	− 1	1096	+ 15	27	0
	1. SCOTLAND, EAST	14	0	24	0	1296	+ 20	32	+ 1
	2. ENGLAND, N.E.	15	− 1	24	− 2	1426	+ 78	36	+ 2
	3. ENGLAND, EAST	17	− 2	26	− 3	1570	+ 47	39	+ 1
	4. MIDLAND COUNTIES	13	− 2	21	− 3	1355	+ 23	34	+ 1
	5. ENGLAND, SOUTH	19	+ 3	30	+ 5	1521	− 5	38	0
Principal Grazing Districts.	6. SCOTLAND, WEST	13	− 3	21	− 5	1425	+112	35	+ 3
	7. ENGLAND, N.W.	16	+ 6	25	+ 9	1406	+189	35	+ 5
	8. ENGLAND, S.W.	26	+11	41	+17	1478	− 54	37	− 1
	9. IRELAND, NORTH	15	+ 1	25	+ 1	1338	+141	33	+ 4
	10. IRELAND, SOUTH	18	+ 1	29	+ 1	1326	− 42	33	− 1
	— CHANNEL ISLANDS	27	+ 8	42	+13	1655	−135	41	− 3

*This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather during this week was of a somewhat changeable character. Rain was rather frequent, but there were also considerable intervals of sunshine, especially in the west, while during the earlier half of the week there was a good deal of fog over the south-west and south of England. A thunderstorm occurred at Blacksod Point on Monday and also at Eastbourne on Wednesday night.

Temperature was a little below the normal generally, but just equal to it in Scotland N. The highest of the maxima were recorded about the middle or towards the end of the period, and ranged from 57° in the Channel Islands and 55° in Ireland S. and England S.W., to 51° in Scotland E. and W. The lowest of the minima, which were mostly registered between the 7th and 9th, varied from 23° in Ireland, 24° in Scotland N., and 25° in England E. and S. to 30° in England N.W., 31° in England N.E., and to 39° in the Channel Islands.

Rainfall was more than the mean generally, but less in England E., Scotland W., and Ireland S. In most places the excess was considerable. On Saturday 0·88 in. fell at Eastbourne, 0·98 in. at Dungeness, and 1·71 in. at Hastings.

Bright Sunshine exceeded the normal in most western and southern districts, but was deficient elsewhere. The possible amount of duration ranged from 42 in the Channel Islands and 41 in England S.W. to 21 in England W., and to 16 in Scotland N.

Barometer and Wind. At the commencement of the week a depression of considerable depth lay over the east of England. The system subsequently moved north-north-westwards to the Hebrides, and finally appeared to move off slowly in a north-north-easterly direction. By Thursday nearly the whole of Great Britain was covered temporarily by a ridge of relatively high pressure extending from the northward. On Friday and Saturday a large disturbance of an irregular "V" shaped type advanced slowly over the Kingdom from the Atlantic, and caused the wind, which had previously been light and rather variable, to gradually increase in force from some point between South-West and South-East, and to blow a moderate or fresh gale on several parts of the coast, and a severe gale along the east coast of Scotland.

4215 Wy. & S. Ltd.
370 11 | 05

II.—DATA from which the SUMMARY on page 265 has been calculated.

Districts. Nov. 5-11, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
O. SCOTLAND, N.	Sumburgh Head	50	35	46·1	40·7	43·4	+ 0·5	15	4	6	1·18	+ 0·22	*	*	*	*
	Stornoway	50	37	48·0	40·1	44·1	+ 1·1	23	5	5	1·18	- 0·03	15·1	+ 3·6	27	+ 6
	Wick	50	30	47·7	38·7	43·2	+ 0·3	22	9	6	0·97	+ 0·32	*	*	*	*
	Lairg Ꞩ	52	24	46·6	34·4	40·5	0·0	13	30	5	1·07	+ 0·25	*	*	*	*
	Glencarron Ꞩ	49	31	45·3	36·6	41·0	- 0·7	9	22	6	1·77	- 0·41	*	*	*	*
	Fort Augustus Ꞩ	50	30	45·9	36·0	41·0	- 1·6	11	24	7	1·12	+ 0·12	5·0	- 1·3	9	- 2
1. SCOTLAND, E.	Nairn	51	26	46·9	32·3	39·6	- 2·6	14	37	7	1·06	+ 0·54	*	*	*	*
	Aberdeen	50	33	47·7	39·0	43·4	+ 0·4	22	8	6	1·46	+ 0·76	10·9	- 3·6	19	- 6
	Braemar Ꞩ	47	26	42·8	34·2	38·5	- 1·0	2	28	7	1·85	+ 1·00	*	*	*	*
	Clathick Ꞩ	50	32	46·9	37·4	42·2	0·0	21	13	6	2·50	+ 1·50	*	*	*	*
	Leith	51	35	49·7	39·1	44·4	+ 0·1	29	8	5	0·58	+ 0·11	*	*	*	*
	Marchmont Ꞩ	50	30	46·9	35·4	41·2	- 0·5	14	27	3	0·97	+ 0·20	18·7	+ 5·2	32	+ 9
2. ENGLAND, N.E	Alnwick Castle	52	31	48·0	37·3	42·7	- 0·8	25	13	5	1·95	+ 1·20	*	*	*	*
	Durham	50	31	46·8	37·7	42·3	- 0·6	20	12	4	1·15	+ 0·53	12·5	- 1·2	21	- 2
	Shields	51	35	48·6	38·1	43·4	- 1·0	26	11	6	1·27	+ 0·73	*	*	*	*
	Scarborough Ṁ	50	38	48·8	41·2	45·0	+ 0·2	24	2	4	0·75	+ 0·08	14·5	—	24	—
	Spurn Head	50	39	48·4	40·0	44·2	- 1·1	24	6	4	0·58	+ 0·08	*	*	*	*
	Lincoln	51	34	49·0	36·4	42·7	- 2·0	28	16	5	0·53	+ 0·04	*	*	*	*
	Fulbeck (Lincolnshire)	50	33	48·1	36·5	42·3	- 0·6	25	15	5	0·68	+ 0·21	15·3	—	25	—
3. ENGLAND, E.	Hillington Ṁ	50	29	47·6	36·7	42·2	- 1·7	24	15	6	0·51	- 0·09	14·4	- 0·3	23	0
	Yarmouth	50	37	48·0	39·4	43·7	- 1·4	23	7	3	0·48	- 0·17	*	*	*	*
	Geldeston	53	27	48·9	36·9	42·9	- 2·1	28	14	4	0·46	- 0·12	17·4	+ 0·7	28	+ 1
	Cambridge	52	28	49·4	36·7	43·1	- 1·3	30	15	4	0·28	- 0·17	14·5	- 1·8	23	- 3
	Felixstowe	52	32	49·9	37·0	43·5	- 1·2	32	14	4	0·57	—	19·1	—	30	—
	Clacton-on-Sea	52	30	48·4	37·3	42·9	- 1·8	26	13	2	0·36	—	16·6	—	26	—
	Rothamsted	52	25	48·4	32·5	41·0	- 2·7	18	42	5	0·81	+ 0·18	11·3	- 5·2	18	- 8
	Shoeburyness	53	33	49·7	38·1	43·9	- 1·3	30	11	3	0·39	- 0·11	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	49	36	47·3	37·5	42·4	- 0·5	22	13	5	1·14	+ 0·48	18·3	—	30	—
	Bawtry (Hesley Hall)	50	35	48·6	36·9	42·8	- 0·8	27	14	4	0·69	+ 0·21	*	*	*	*
	Nottingham	52	31	49·3	35·3	42·3	- 1·7	30	19	6	0·52	+ 0·02	13·0	—	21	—
	Colly Weston (Stamford)	53	33	49·6	35·7	42·7	- 1·2	31	18	5	0·56	- 0·01	*	*	*	*
	Cheadle Ṁ	50	32	46·9	36·9	41·9	- 0·8	14	21	5	1·02	+ 0·32	*	*	*	*
	Birmingham (Edgbaston)	50	33	47·2	38·7	43·0	- 1·0	21	9	4	1·05	+ 0·49	11·9	—	19	—
	Shrewsbury	52	33	49·3	37·2	43·3	- 1·2	29	13	5	0·82	—	*	*	*	*
	Hereford Ṁ	51	30	48·8	34·0	41·4	- 3·4	19	33	6	1·00	+ 0·42	*	*	*	*
	Cirencester	52	28	48·8	32·3	40·6	- 2·8	19	39	4	0·90	+ 0·22	13·0	- 2·1	21	- 3
	Oxford	53	29	49·7	33·4	41·6	- 2·4	22	36	5	0·78	+ 0·26	13·0	- 2·6	21	- 4
5. ENGLAND, S.	Westminster	54	31	50·6	36·7	43·7	- 1·3	34	15	4	0·73	—	9·7	+ 1·3	15	+ 2
	London (Brixton)	53	30	49·9	36·1	43·0	- 2·4	32	17	4	0·79	+ 0·26	9·6‡	- 0·6‡	15‡	- 1‡
	Wisley (Surrey)	52	27	50·6	33·6	42·1	- 3·8	36	24	5	0·88	—	18·9	—	30	—
	Swarraton (Alresford) Ṁ	52	25	49·5	30·8	40·2	- 3·8	21	45	5	0·98	+ 0·24	*	*	*	*
	Tunbridge Wells Ṁ	53	33	50·2	36·9	43·6	- 0·6	33	14	6	1·11	—	24·7	—	39	—
	Dungeness	53	30	51·0	38·4	44·7	- 2·2	34	10	6	1·90	+ 1·28	16·1	—	25	—
	Hastings (St. Leonards)	54	37	51·4	40·9	46·2	- 0·6	34	3	5	2·36	+ 1·59	21·8	+ 3·2	34	+ 5
	Southampton	54	29	50·8	35·4	43·1	- 3·4	35	18	4	1·15	+ 0·42	19·1	+ 2·4	30	+ 4
	Portland Bill	54	42	52·3	43·3	47·8	- 0·1	41	0	6	1·16	—	*	*	*	*
	Shaftesbury Ṁ	52	37	49·6	38·7	44·2	+ 0·5	29	9	4	0·70	- 0·10	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	51	32	47·7	39·4	43·6	- 0·9	22	7	4	1·29	- 0·57	*	*	*	*
	Glasgow	49	35	47·3	40·5	43·9	+ 0·7	20	4	5	0·99	+ 0·12	5·3	- 2·9	9	- 5
	Cally Ꞩ	51	28	46·2	37·4	41·8	- 1·8	12	19	5	1·02	- 0·18	*	*	*	*
	Aspatria	50	31	47·7	38·3	43·0	- 0·1	23	10	5	0·80	—	19·2	—	32	—
	Douglas (Isle of Man)	51	32	49·3	40·6	45·0	- 0·6	27	4	4	0·98	- 0·07	13·0	- 3·0	21	- 5
7. ENGLAND, N.W.	Newton Rigg	52	30	47·1	37·5	42·3	+ 0·9	21	13	6	0·88	—	11·8	—	19	—
	Stonyhurst	52	35	47·4	39·9	43·7	- 0·1	21	6	5	1·62	+ 0·57	16·6	+ 4·6	27	+ 7
	Blackpool Ṁ	52	34	48·9	40·1	44·5	- 0·3	25	5	6	1·89	+ 1·06	20·6	+ 8·4	33	+ 14
	Manchester (Prestwich)	52	34	47·8	38·9	43·4	- 0·4	23	9	6	1·21	+ 0·41	8·2	—	13	—
	Liverpool Obsy. (Bidston)	52	36	48·3	38·9	43·6	- 1·6	24	9	6	1·05	+ 0·38	19·0	—	31	—
	Chester (Hawarden Bridge)	54	35	51·0	38·6	44·8	- 0·8	34	10	5	0·87	—	*	*	*	*
	Llandudno Ṁ	53	36	49·7	41·8	45·8	- 1·2	27	1	6	1·13	+ 0·35	17·5	+ 3·8	28	+ 6
	Holyhead	52	37	49·4	41·7	45·6	- 2·0	26	1	5	1·38	+ 0·47	*	*	*	*
	Bettws-y-Coed	52	30	49·1	36·7	42·9	- 3·2	29	15	7	1·57	—	12·3	—	20	—
8. ENGLAND, S.W.	Llangammarch Wells	51	27	47·4	33·9	40·7	- 2·2	15	32	7	1·54	—	—	—	—	—
	Pembroke	54	40	51·7	43·6	47·7	- 0·7	40	0	6	1·18	+ 0·28	23·4	+ 12·3	45	+ 20
	Cardiff	53	30	50·6	33·9	42·3	- 4·3	36	23	4	1·05	—	*	*	*	*
	Clifton	53	33	49·3	37·1	43·2	- 2·0	29	14	6	0·84	+ 0·07	*	*	*	*
	Bath	54	26	51·3	31·7	41·5	- 4·2	26	43	4	0·85	+ 0·16	18·0	—	29	—
	Arlington (N. Devon)												*	*	*	*
	Cullompton Ṁ	54	26	52·6	33·4	43·0	- 2·0	43	24	5	1·11	- 0·28	25·2	+ 10·8	39	+ 17
	Falmouth	54	39	51·6	42·5	47·1	- 1·5	36	0	6	1·44	+ 0·23	32·0	+ 13·3	50	+ 21
	Plymouth	55	32	53·6	37·0	45·3	- 2·3	44	14	5	1·75	+ 0·92	26·5	+ 9·7	41	+ 15
9. IRELAND, N.	Malin Head	49	39	47·4	43·4	45·4	- 0·4	24	0	7	1·20	+ 0·48	*	*	*	*
	Edenfel (Omagh)	50	29	48·1	36·6	42·4	- 0·3	25	15	6	0·76	- 0·07	*	*	*	*
	Blacksod Point	51	38	49·9	40·0	45·0	- 1·7	29	6	7	1·15	- 0·06	*	*	*	*
	Markree Castle	52	28	49·4	35·5	42·5	- 1·7	31	18	6	1·47	+ 0·56	17·1	+ 2·7	28	+ 4
	Armagh	51	23	49·5	36·6	43·1	- 0·7	30	15	4	0·33	- 0·32	13·6	- 1·4	22	- 2
	Donaghadee	52	38	49·6	41·4	45·5	+ 0·2	27	2	6	1·54	+ 0·82	*	*	*	*
10. IRELAND, S.	Dublin	54	30	50·0	39·4	44·7	- 1·6	30	7	2	0·20	- 0·38	14·4	- 3·9	23	- 6
	Birr Castle	54	29	50·4	33·7	42·1	- 2·3	36	23	4	0·17	- 0·52	18·7	+ 2·0	30	+ 3
	Kilkenny	53	23	50·3	32·0	41·2	- 4·2	23	41	3	0·22	- 0·47	*	*	*	*
	Waterford	53	27	51·1	35·3	43·2	- 2·8	37	19	3	0·73	- 0·18	*	*	*	*
	Roche's Point	53	36	51·1	40·6	45·9	- 2·1	33	4	6	0·57	- 0·49	*	*	*	*
	Valencia	54	32	52·0	37·7	44·9	- 3·6	38	12	6	0·74	- 0·56	20·6	+ 3·3	33	+ 5
	Killarney	55	30	50·7	37·8	44·3	- 2·2	34	12	6	0·85	- 0·57	*	*	*	*
	Foynes	52	35	49·0	39·0	44·0	- 1·9	27	8	6	0·82	- 0·13	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	56	43	53·9	44·4	49·2	- 1·5	50	0	5	0·73	- 0·10	32·3	+ 12·6	51	+ 20
	Jersey (St. Aubyn's)	57	39	55·1	43·0	49·1	- 0·7	50	0	7	1·80	+ 0·86	29·6	+ 9·8	46	+ 15

Information for Stations marked Ṁ is supplied by the Royal Meteorological Society, and that for Stations marked Ꞩ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

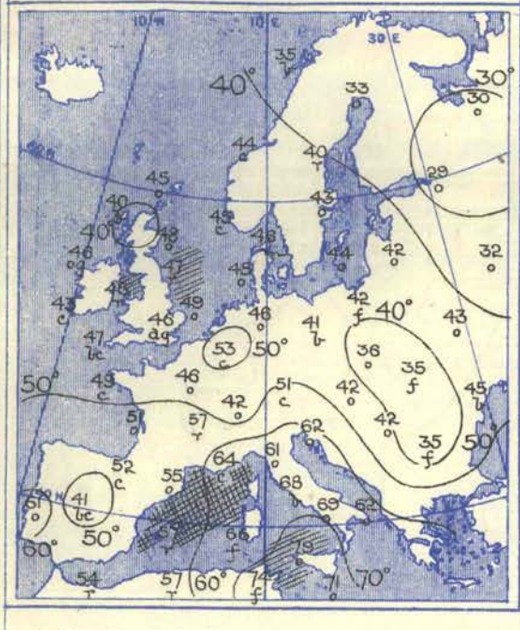
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

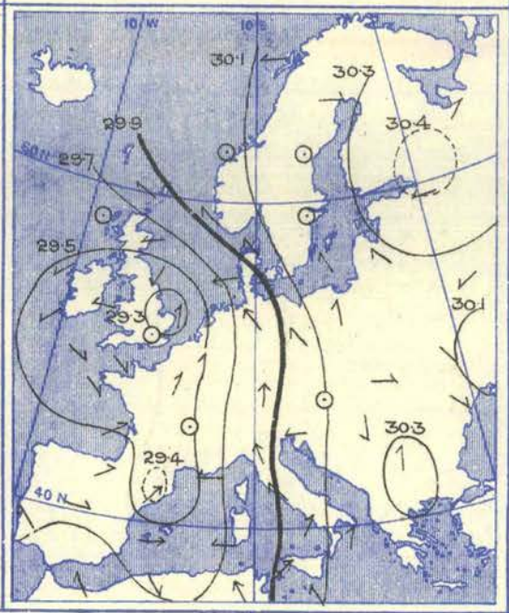
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 5th November, 1905.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

Weather at 8 a.m. cloudy or overcast at almost all stations, with rain in several parts of the United Kingdom, France, the north-east of Spain, and Algeria, and also at Hernösand. Rain falling later in nearly all parts of our area, very heavily in Italy and France—largest amounts, 1·1 in. at Turin, 1·5 in. at Charleville, and 1·9 in. at Clermont.

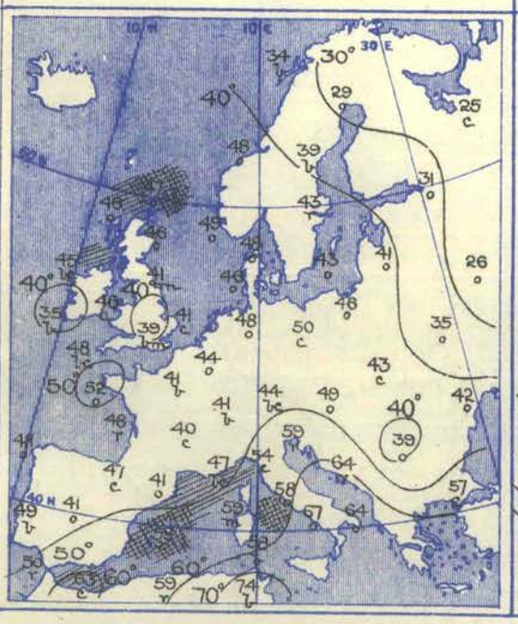
Temperature risen in most places, fallen over Russia and Poland. Morning readings highest, 79° at Palermo, 75° at Sfax, and 71° at Malta. Below 50° over our area generally and below 40° in places. Lowest value, 29° at St. Petersburg. Rising to about 50° over our Islands, to some degrees above it over France and Austria, to above 60° in the extreme south of France, and to 70° or above in the south of Italy. Thermometer not rising above 32° at St. Petersburg.

Wind at 8 a.m. cyclonic over the western half of our area and anticyclonic elsewhere. Easterly current strong or fresh over Denmark and the North Sea. Fresh or strong to a slight gale from various directions over the Mediterranean. Easterly wind increasing in force later over Denmark and the north-east of Scotland and attaining the strength of a gale in places.

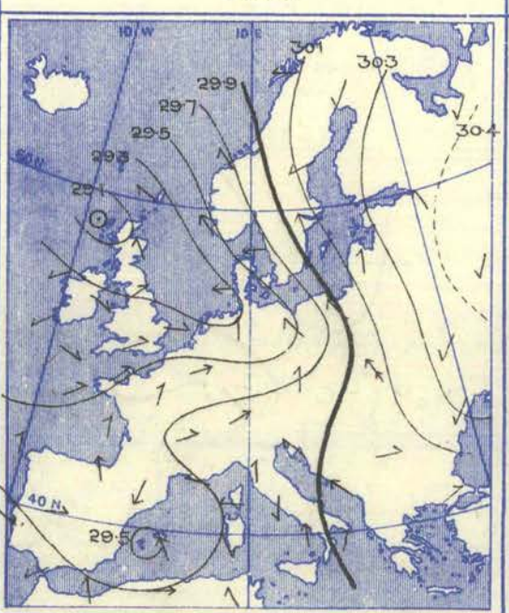
Barometer in morning ranging from above 30·3 ins. and upwards in the north-east and south-east of our area to below 29·4 ins. in a small minimum near Barcelona, and to about 29·2 ins. in a larger system centred over the east of England. Latter travelling northwards during day and gradient becoming steep over the north of Scotland and the upper part of the North Sea.

Monday, 6th November, 1905.

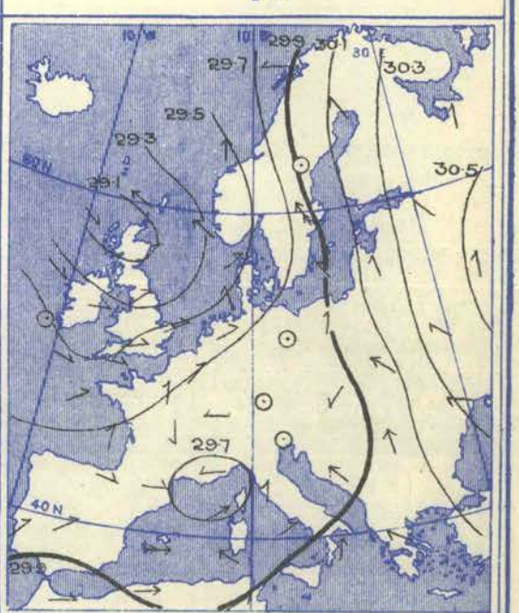
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. dull and unsettled generally with rain or showers in many localities. Some rain experienced in most regions during day. Largest measurement in our Islands, 0·5 in. at Dungeness, but much heavier falls at various stations on the Continent—1·7 in. at Cape Gris Nez, 1·1 in. at Lisbon, and 3·8 ins. at Turin. Thunderstorms occurring at Blacksod Point and Perpignan and lightning at Biarritz.

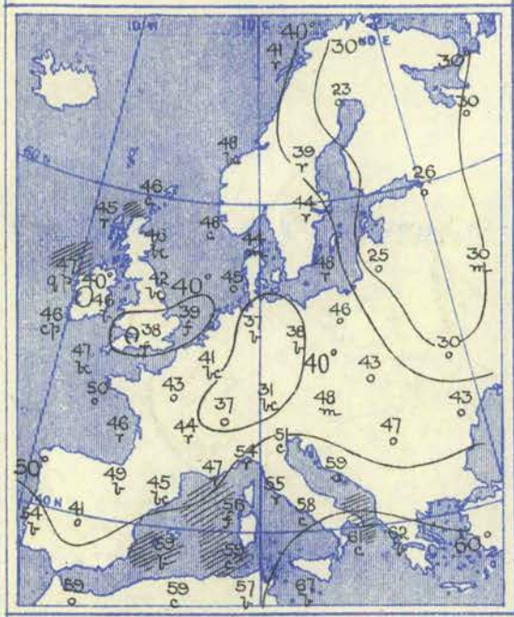
Temperature fallen in most regions. Morning values highest, 74° at La Calle, 67° at Naples, and 64° at Lesina. Below 50° over Europe generally and below 40° in several districts. Lowest readings reported, 26° and 25° respectively at Moscow and Archangel. Maxima during day, 77° at La Calle and Malta, 75° in Greece, above 60° in the far south generally, and above 50° over our Islands and at nearly all stations in central Europe. Thermometer only rising to 32° at St. Petersburg

Wind in morning anticyclonic over Russia, cyclonic over our area generally. Strong from East or South-East in Denmark and the south of Scandinavia and also at some Mediterranean stations. Increasing to a gale from the South-Eastward by evening at Stockholm and Skudesnaes and shifting to West and blowing a gale at Palma.

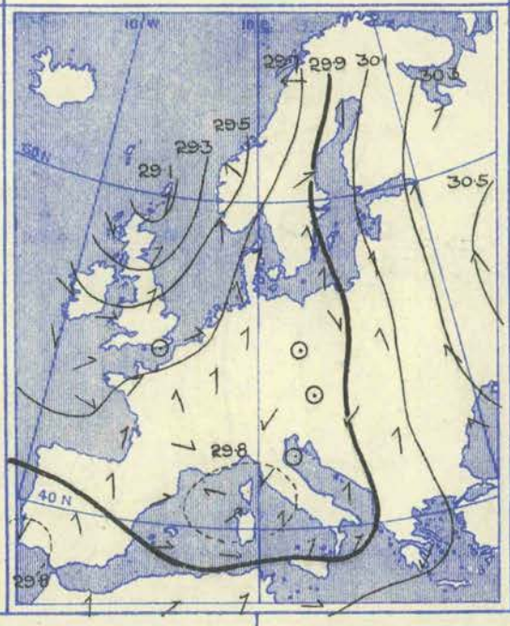
Barometer at 8 a.m. ranging from 30·5 ins. and upwards over the northern half of Russia to less than 29·5 ins. in a small minimum over the Isle of Iviza, and to below 29·1 ins. in a larger depression centred over the Hebrides. Former system travelling north-eastwards to the south coast of France later and the latter moving somewhat in an easterly direction. Russian anticyclone taking up a position further to the southward.

Tuesday, 7th November, 1905.

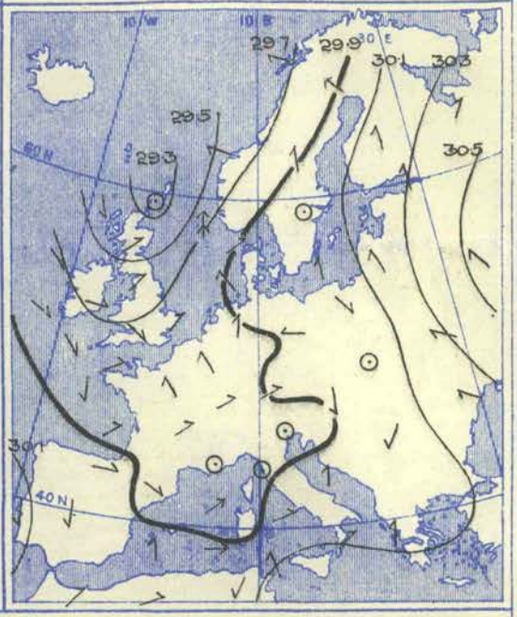
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright at most stations in these Islands, but rainy at Stornoway and Dungeness, showery in the west of Ireland, and foggy in London and in several other parts of England. Cloudy or overcast in most Continental regions, with rain in various places. Considerable or heavy falls of rain later in many southern localities—more than 2·0 ins. at Sanguinaires—and a thunderstorm at Biarritz.

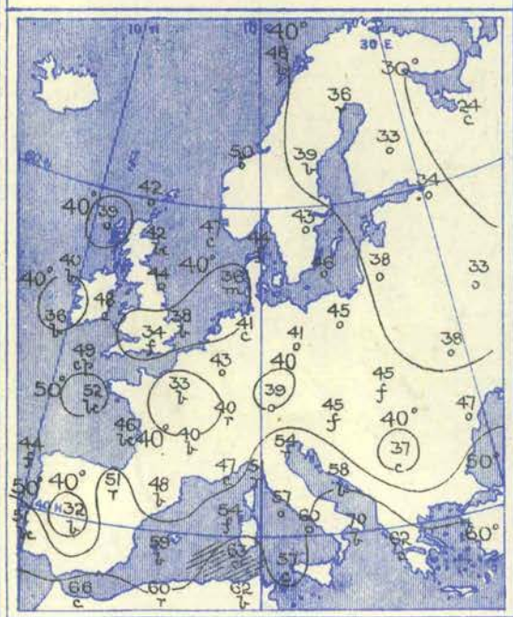
Temperature fallen as a whole—quickly over central Europe. Readings at 8 a.m. above 60° at a few stations in the extreme south. Highest value, 67° at Malta. Below 40° in most central and northern regions and below 30° in places. Lowest readings, 28° at Bath and 26° at St. Petersburg. Maxima during day, 70° or a few degrees higher on the southern shores of the Mediterranean and in Greece, and 60° or above in Italy. About 50° in most parts of central Europe and the United Kingdom and only 32° at St. Petersburg.

Wind in morning Westerly to Southerly over our Islands and the western countries generally and Easterly in the north of Norway; strong or fresh at some of our own western stations and blowing a moderate gale at Bodö. A separate circulation of light to strong breezes prevailing over the north of Italy and its vicinity. Wind veering towards North-West later on our west and north-west coasts. Southerly current increasing to a fresh gale at Skudesnaes, but some decrease of force occurring generally.

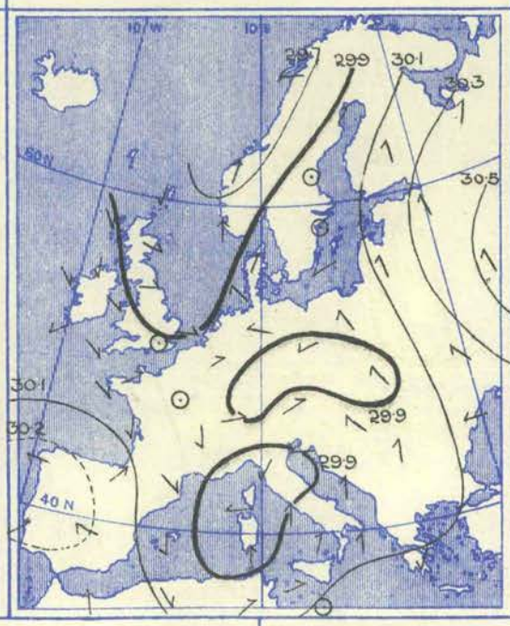
Barometer at 8 a.m. ranging from above 30·5 ins. in an anticyclone over Russia to below 29·8 ins. in a depression centred over the Gulf of Tuscany and in another system near Lisbon, and to less than 29·1 ins. in a disturbance off the north of Scotland. Portuguese minimum disappearing by evening, that over the Gulf of Tuscany becoming much less pronounced, and the Scotch system moving northwards and decreasing in depth.

Wednesday, 8th November, 1905.

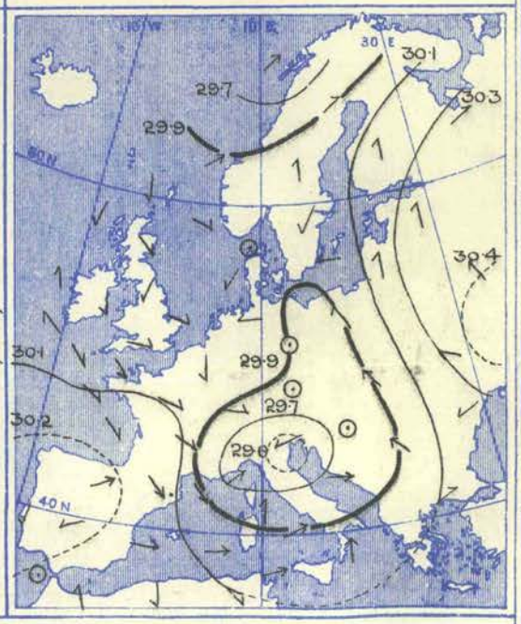
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very cloudy or quite overcast generally, but fine and bright in the north-west of France and at several of our own stations. Fog prevailing over the southern and south-eastern counties of England, the Netherlands, and Denmark, and rain in various parts of the Continent. Thunderstorms later in the south of France, 1·5 in. of rain at Biarritz. Very heavy rain also experienced over Italy and the Adriatic—largest amounts, 1·6 in. at Trieste, 1·4 in. at Florence, and 0·8 in. at Rome.

Temperature changed irregularly. Morning readings highest, 70° at Brindisi, 66° at Nemours, 62° at La Calle, Malta, and Athens. Lowest, 24° at Archangel, 32° at Clacton-on-Sea and Madrid, 33° at Paris and Moscow. Rising subsequently to about 50° in several parts of our Islands and central Europe, to a few degrees higher in the west and south of France, and to about 70° in Algeria, Tunis, and the south of Italy. Maximum at Florence only 50°

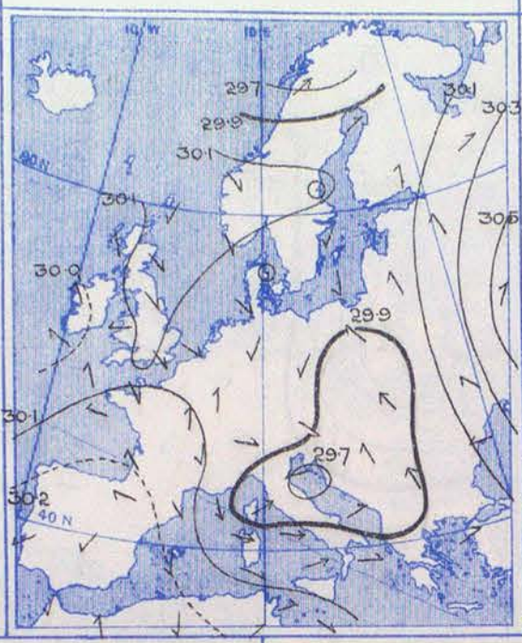
Wind at 8 a.m. mainly North-Westerly to Westerly over our Islands and France and Southerly to the eastward of the North Sea; light or moderate in force generally, but strong at Skudesnaes. Two separate cyclonic circulations shown elsewhere—one over central Europe and the other over the western part of the Mediterranean and the adjacent territory. Fresh or strong breezes or moderate gales experienced later over the Mediterranean region. Wind shifting to the South-Eastward on the west coast of Ireland.

Barometer at 8 a.m. as high as 30·5 ins. over central Russia and above 30·2 ins. over the greater part of the Spanish Peninsula. Below 29·7 ins. over the north-west of Norway, below 29·9 ins. over South Germany and its neighbourhood, and less than 29·8 ins. over the Gulf of Genoa. Latter system apparently travelling to the Gulf of Venice during day and becoming much deeper. Russian anticyclone moving southwards and that over Spain expanding north-eastwards. Baric rise ceasing at Blacksod Point

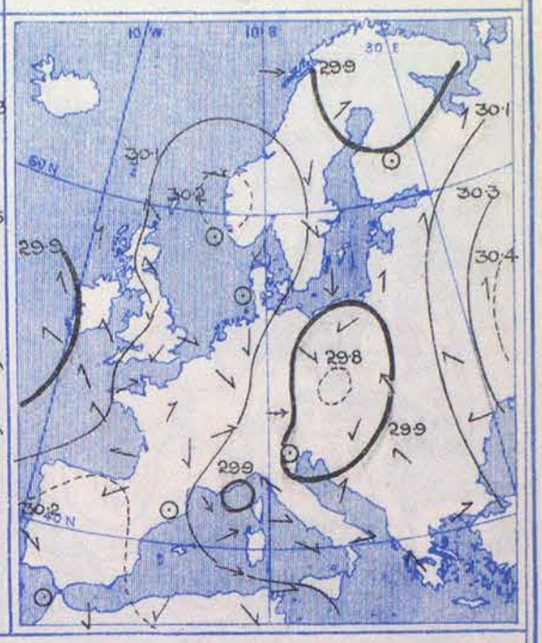
Thursday, 9th November, 1905.

Temperature and Weather. 8 a.m.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Italy, the south of France and at some of our own stations; cloudy or overcast over our area generally, with fog or mist over the Low Countries and the south-east of England, and rain in the west of Ireland, the north-west of Norway, at Odessa, and in several parts of central Europe. Slight amounts of rain later in most parts of these Islands and heavier falls in Germany and at Trieste.

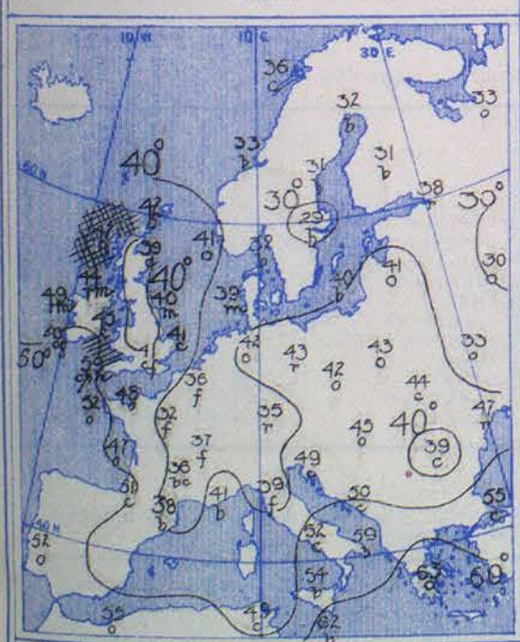
Temperature risen on our most western coasts, changed irregularly or fallen elsewhere. Readings in morning ranging from 63° at Malta and 60° at Constantinople to below 45° over the major portion of our area, below 32° at Birr Castle and Hernösand, and to 28° at Nairn and Moscow. Maxima above 70° in Greece and Tunis and above 60° in the southern parts of Italy and Spain. Thermometer remaining below 50° in most parts of Great Britain, over the north-east of France, Germany, and at some Austrian stations.

Wind at 8 a.m. showing an extensive cyclonic circulation of light to fresh or strong winds around the central regions of Europe and a strong breeze from South-West at Bodö. Light breezes between South and East prevailing on our own western coasts and light North-Westerly airs in the east. Wind becoming more Southerly later and increasing in force on our western coasts and the North-Westerly breezes dying out.

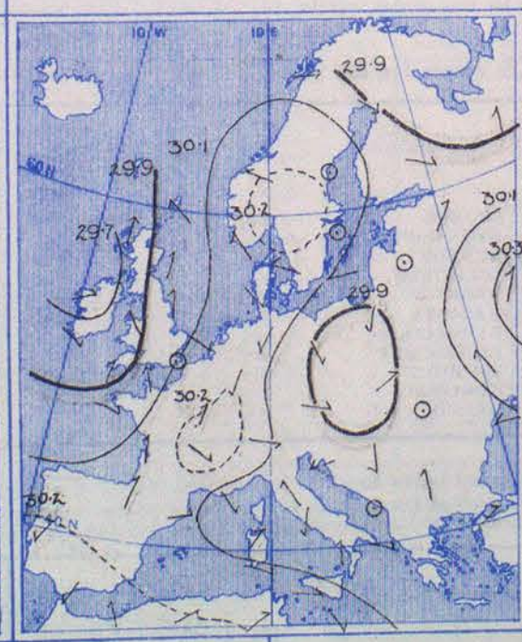
Barometer at 8 a.m. 30·5 ins. and upwards in an anticyclone over the southern half of Russia, above 30·2 ins. in another system over the Spanish Peninsula and its neighbourhood, and above 30·1 ins. in a ridge extending over Great Britain from the northward. As low as 29·7 ins. and less over the Gulf of Venice and Finmark and below 30·0 ins. off the west of Ireland. Relatively low in a large area extending from the Baltic to Italy. Atlantic low pressure encroaching very slowly over the United Kingdom during day and anticyclonic ridge retreating eastwards.

Friday, 10th November, 1905.

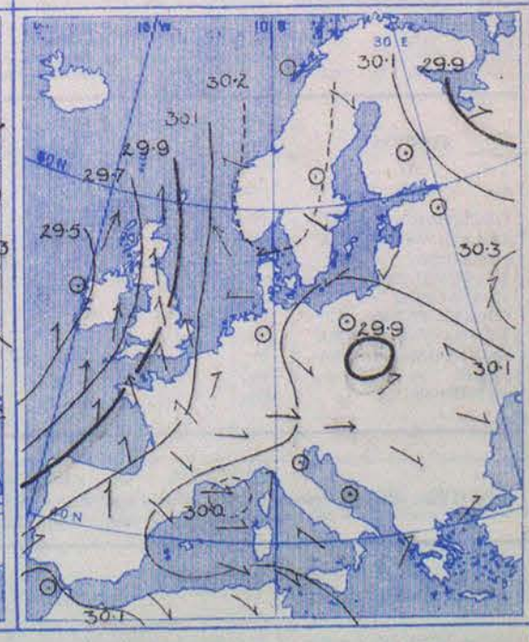
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast generally, but fine and bright over Scandinavia and in a few parts of southern Europe. Fog prevailing at Paris, Brussels, and at some of our own south-eastern stations, and rain on our south-west coasts, at St. Petersburg, Odessa, and in many parts of central Europe. Rain experienced later in the United Kingdom, Germany, and the north and west of France. As much as 1·9 in. at Donaghadee, 0·8 in. at Pembroke, 0·7 in. at Portland, and 0·6 in. at Bath and Oxford.

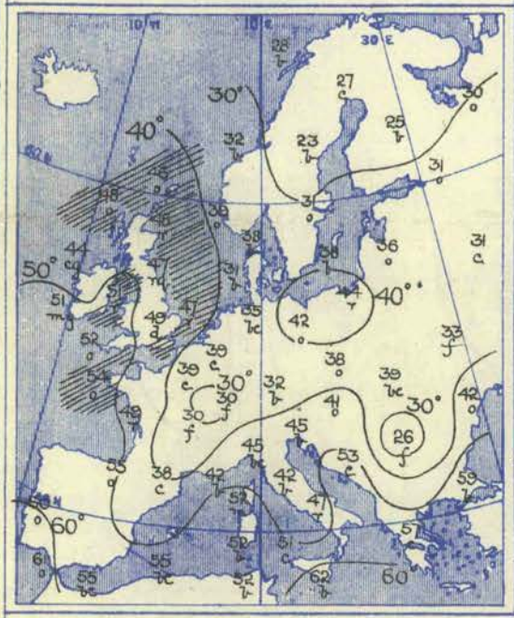
Temperature fallen except in the most western regions. Readings in morning a little above 60° at some stations in the extreme south-east of our area and slightly below 32° at Limoges and in various parts of Russia, Finland, and Sweden. Rising during day to 72° at Sfax, 68° at Cagliari, and to 60° or higher in the far south generally, and to a little above 50° at many of our own stations. Remaining below 45° in several parts of central Europe and only touching 36° at Munich.

Wind at 8 a.m. Southerly over the Bay of Biscay and the United Kingdom, strong to a moderate gale on some parts of our west and north-west coasts. A complete cyclonic circulation of little strength prevailing over the central regions. Southerly current increasing somewhat in force in most parts of our Islands later in day and reaching a gale on the north-east coast of Scotland by night.

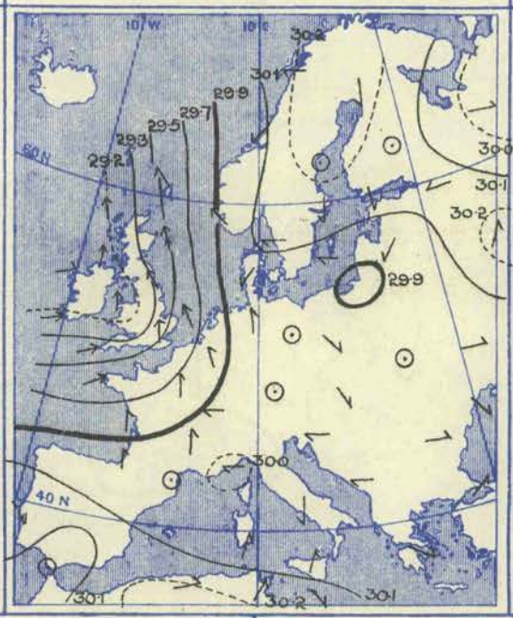
Barometer in morning ranging from above 30·3 ins. in an anticyclone over the southern half of Russia and above 30·2 ins. in other maxima over Scandinavia, the east of France, Algeria, and the south of Spain, to below 29·9 ins. in a depression over the centre of Europe, and to less than 29·7 ins. in another disturbance approaching our Islands from the westward. Atlantic system spreading over our Islands during day and night, and a considerable increase taking place in the gradient.

Saturday, 11th November, 1905.

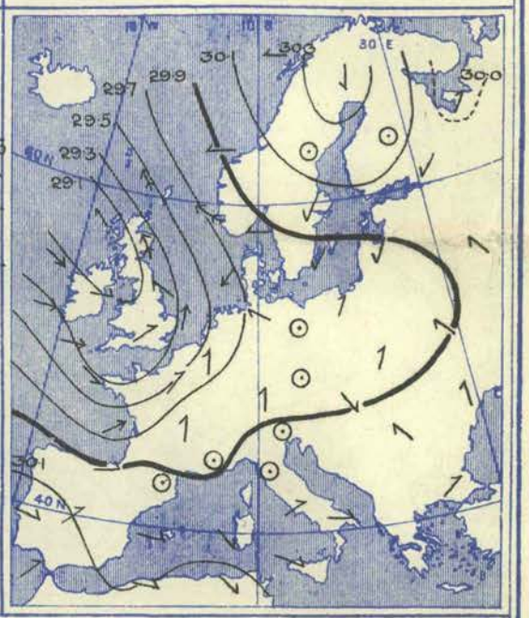
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in several parts of northern and southern Europe and also over Denmark; cloudy or overcast generally, with rain in many parts of our Islands, France, and at Oporto, as well as in East Prussia. Rain experienced later over our Islands, France, Germany, the Netherlands, and the north of Italy. Heavy in many places, 1·0 in. at Dungeness, and 2·6 ins. at Cherbourg.

Temperature risen quickly over Great Britain and France, fallen in most other regions. Morning readings highest, 62° at Malta, 61° at San Fernando, and 60° at Lisbon. Lowest, 23° at Hernösand, below the freezing point in several other northern districts, in the east of France, and at Hermanstadt. No higher than 42° at Nice and Rome. Maxima during day above 50° at most of our own stations and in the west and south of France, above 60° in the extreme south of our area, and above 70° in places. Highest value, 82° at Patras.

Wind at 8 a.m. fresh to a moderate gale from the South-Westward on our southern coasts, and strong to a gale from the South-Eastward along the east coasts of Great Britain. Light and variable over the Mediterranean and the greater part of the Continent. Increasing to a strong to whole gale later on the east coast of Scotland, and to a gale from the Westward over the Bay of Biscay and the mouth of the Channel.

Barometer in morning above 30·2 ins. in the north of Scandinavia, central Russia, and Algeria. Below 29·2 ins. in a depression of a "V" shaped type having its trough extending south-eastwards from the north of Ireland to the south-east of England. Relatively low in a large irregularly shaped area over central and south-eastern Europe. Secondary disturbances passing eastwards across the south of England during day. Barometer continuing to fall in Scotland and the gradient becoming very steep over the North Sea.

IV.—GENERAL NOTES, etc.

Pressure was highest in an anticyclonic system of considerable size over Russia, relatively high for a time about the middle of the week over the Spanish Peninsula, and also over Scandinavia towards the end of the period. The cyclonic disturbances were observed over the United Kingdom and its vicinity, the north of Scandinavia, the central countries of Europe, and Italy. None of the depressions were of exceptional depth, but some of them were sufficiently important to give rise to strong winds or gales on various parts of our own coasts and on different shores of the Mediterranean. Temperature was rather high for the time of year over the northern regions of the Continent, and frost was both slight and intermittent. Further south—as far south as the centre of Italy—the thermometer was somewhat low for the season, but in Sicily, Algeria, and the south of Spain maximum readings of 70° and upwards were general. Heavy rains occurred frequently over the Mediterranean region and smaller amounts in most other parts of our area. At the end of the week a large and deep depression of irregular shape was spreading eastwards over the United Kingdom and causing very steep gradients over the Bay of Biscay and the North Sea.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 266.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	10·2	− 0·2	18	0
STRATHPEFFER SPA	6·9	− 4·9	12	− 8
CRATHES	11·6	—	20	—
BALRUDDERY	19·2	—	33	—
EDINBURGH	11·8	− 0·4	20	− 1
COCKLE PARK	16·2	—	27	—
NEWCASTLE-on-TYNE	11·3	—	19	—
SALTBURN-by-the-SEA		—		—
YORK	10·3	− 0·8	17	− 1
SKEGNESS	19·6	—	32	—
CROMER	25·7	—	42	—
LOWESTOFT	20·6	—	33	—
DUNMOW	12·4	—	20	—
SHEFFIELD	11·8	—	19	—
WORKSOP	11·6	− 0·9	19	− 2
MARGATE	20·3	+ 4·1	32	+ 7
RAMSGATE	22·2	—	35	—
EASTBOURNE	20·6	+ 3·4	32	+ 5
BRIGHTON	20·4	+ 2·4	32	+ 4
WORTHING	21·1	—	33	—
BOGNOR	21·0	—	33	—
VENTNOR HOSPITAL	23·6	+ 6·1	37	+ 10
BOURNEMOUTH	29·3	—	46	—
MARLBOROUGH	17·4	+ 3·5	28	+ 6
SOUTHPORT	21·4	—	35	—
RHYL		—		—
ABERDOVEY	18·9	—	30	—
ABERYSTWYTH	23·0	—	37	—
TENBY	28·4	+ 12·2	45	+ 19
TORQUAY	32·4	+ 15·3	51	+ 25
NEWQUAY	28·3	+ 9·0	44	+ 14
GUERNSEY	19·0	+ 2·0	29	+ 3

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees) Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 40, page 236	Scarborough M	—	40	—	42·5	49·1	−1·7	50	—	—	—	—	—	—	—	—
,, 42, ,, 252	Eastbourne	—	—	—	—	—	—	—	—	—	—	—	38·6	+12·0	53	+17
,, 43, ,, 254	Markree Castle	—	—	—	33·1	42·1	−3·7	—	25	—	—	—	—	—	—	—
,, 44, ,, 260	Shrewsbury	—	—	—	—	—	—	—	—	7	0·97	—	—	—	—	—
,, 44, ,, 264	Eastbourne	—	—	—	—	—	—	—	—	—	—	—	12·8	− 7·7	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. Vol. XXII. (New Series.) } No 46. FORTY-SIXTH WEEK, ENDING SATURDAY, NOVEMBER 18TH, 1905. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 272.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	50	15	42·2	33·7	38·0	3 below	1	−17	30	+13	1947	− 22	583	− 60
	1. SCOTLAND, EAST	53	5	41·0	32·8	36·9	4 below	0	−19	36	+15	2249	− 68	628	− 83
	2. ENGLAND, N.E.	51	21	43·3	36·2	39·8	3 below	4	−19	22	+ 8	2697	+154	469	− 89
	3. ENGLAND, EAST	52	26	43·4	36·7	40·1	3 below	4	−23	20	+ 5	3045*	+112	452	−158
	4. MIDLAND COUNTIES	54	23	42·3	34·6	38·5	4 below	1	−24	26	+ 9	2847	− 31	525	−112
	5. ENGLAND, SOUTH	53	24	43·3	35·8	39·6	5 below	4	−31	23	+13	3079	−157	375	− 69
Principal Grazing Districts.	6. SCOTLAND, WEST	51	20	42·4	33·3	37·9	5 below	1	−23	31	+19	2492	+ 18	422	− 62
	7. ENGLAND, N.W.	51	19	42·8	35·3	39·1	5 below	2	−25	24	+14	2684	− 36	360	− 85
	8. ENGLAND, S.W.	51	16	44·0	35·0	39·6	6 below	6	−31	27	+20	2937	− 97	339	+ 1
	9. IRELAND, NORTH	51	20	44·5	35·3	39·9	4 below	7	−19	25	+14	2583	− 32	352	− 52
	10. IRELAND SOUTH	50	19	44·1	34·1	39·1	6 below	6	−30	29	+20	3034	+ 47	274	− 24
	— CHANNEL ISLANDS	? 54	34	47·7	42·5	45·1	4 below	22	−33	0	− 1	3518	− 42	58	− 66

Rainfall.

	DISTRICTS. (See p. 272.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	5	7 less	245	+46	42·9	+ 4·0
	1. SCOTLAND, EAST	5	10	3 more	194	+23	25·6	− 1·8
	2. ENGLAND, N.E.	5	11	5 more	154	− 4	18·7	− 3·3
	3. ENGLAND, EAST	5	5	0 (average)	154	− 4	18·6	− 2·8
	4. MIDLAND COUNTIES	4	3	3 less	156	+ 5	19·9	− 4·4
	5. ENGLAND, SOUTH	4	7	0 (average)	152	+ 3	23·7	− 0·9
Principal Grazing Districts.	6. SCOTLAND, WEST	2	1	12 less	179	+ 2	38·4	− 4·7
	7. ENGLAND, N.W.	3	1	7 less	171	+ 3	27·0	− 3·5
	8. ENGLAND, S.W.	3	7	2 less	165	− 4	28·5	− 4·4
	9. IRELAND, NORTH	3	2	6 less	207	+ 6	30·0	− 1·7
	10. IRELAND, SOUTH	4	9	1 less	186	+ 5	29·1	− 5·0
	— CHANNEL ISLANDS	6	16	7 more	190	+17	26·4	− 1·7

Bright Sunshine.

	DISTRICTS. (See p. 272.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	12	+ 4	23	+ 8	1108	+ 19	27	+ 1
	1. SCOTLAND, EAST	14	+ 2	25	+ 3	1310	+ 22	32	+ 1
	2. ENGLAND, N.E.	14	+ 6	24	+11	1450	+ 84	35	+ 2
	3. ENGLAND, EAST	11	− 5	18	− 9	1581	+ 42	39	+ 1
	4. MIDLAND COUNTIES	10	− 2	16	− 3	1365	+ 21	33	+ 1
	5. ENGLAND, SOUTH	14	+ 1	22	+ 2	1535	− 4	38	0
Principal Grazing Districts.	6. SCOTLAND, WEST	19	+ 7	34	+13	1444	+119	35	+ 3
	7. ENGLAND, N.W.	17	+ 9	28	+15	1423	+197	35	+ 5
	8. ENGLAND, S.W.	21	+ 6	34	+ 9	1499	− 48	37	− 1
	9. IRELAND, NORTH	20	+ 7	35	+11	1359	+149	33	+ 4
	10. IRELAND, SOUTH	22	+ 6	37	+10	1348	− 36	33	− 1
	— CHANNEL ISLANDS	15	− 1	25	− 2	1670	−136	41	− 3

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather. Although there were many fine, bright intervals the general character of the week was unsettled, with frequent showers of hail, sleet, or snow. A brilliant display of aurora borealis was observed in nearly all parts of the Kingdom during Wednesday evening, and lightning was seen at the same time in the south of Ireland. On Friday night a thunderstorm was experienced at Bognor.

Temperature was below the mean in all districts, the deficit ranging from 3° in Scotland N. and England E. and N.E. to as much as 5° or 6° in most other parts of the Kingdom. The highest of the maxima were registered on the 12th, and varied from 54° in the Midland Counties and the Channel Islands to 50° in Scotland N. and Ireland S. Later in the week the maxima were often below 40° over Great Britain, and on Saturday the highest reading at Birr Castle was only 29°. The lowest of the minima occurred on Saturday, when the thermometer fell to 5° in Scotland E. (at Braemar), to 15° in Scotland N., to 16° in England S.W. (at Llangammarch Wells), to 19° in England N.W. and Ireland S., and to between 20° and 26° in all other parts of the Kingdom except the Channel Islands, where the lowest reading was 34°. At Braemar the extreme range of temperature from Sunday to Saturday amounted to 41°.

Rainfall was less than the mean over the country as a whole, but just equal to it in England S. and E., and in excess in Scotland E., England N.E., and the Channel Islands.

Bright Sunshine exceeded the normal except in England E., the Midland Counties, and the Channel Islands. The percentage of the possible duration ranged from 37 in Ireland S., 35 in Ireland N., and 34 in England S.W. and Scotland W., to 18 and 16 respectively in England E. and the Midland Counties.

Barometer and Wind. At the commencement of the week the centre of a rather deep depression lay off our north-west coasts, whence a tongue of relatively low pressure extended south-eastwards to Germany. During Sunday night, however, a cyclonic system, with readings of about 28·8 ins. at its centre, travelled quickly from the south-west of Ireland to the English Channel, and the winds consequently became Easterly and North-Easterly over Great Britain and Northerly in Ireland. On some parts of the coasts they blew a slight gale, but, as a rule, they were moderate to fresh in force. This depression was the only one of importance to pass over any part of the Kingdom, but for several days after its departure local irregularities in pressure caused frequent showers of hail, sleet, or snow. By Thursday the highest pressure had become transferred from the north of Europe to the west of Ireland, and the winds over our Islands consequently drew into North, but by Saturday a depression in the far north approaching the Bay of Biscay from the south-westward, caused it to again become Easterly to North-Easterly on our southern coasts, and to increase to the force of a fresh breeze or moderate gale.

4231 370 Wy. & S. Ltd. 11 | 05

II.—DATA from which the SUMMARY on page 271 has been calculated.

Districts. Nov. 12-18, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head	44	33	41·0	36·1	38·6	− 3·6	0	24	6	0·29	− 0·67	*	*	*	*
	Stornoway	50	30	44·1	37·0	40·6	− 1·4	6	19	5	0·30	− 0·84	14·9	+ 5·4	28	+ 10
	Wick	48	28	44·7	35·0	39·9	− 1·7	8	27	7	0·53	− 0·13	*	*	*	*
	Lairg §	46	15	40·6	30·0	35·3	− 3·7	0	47	6	1·20	+ 0·37	*	*	*	*
	Glencarron §	49	23	40·8	31·9	36·4	− 4·2	0	39	6	0·29	− 1·95	*	*	*	*
	Fort Augustus §	50	21	42·1	32·1	37·1	− 4·5	0	35	1	0·06	− 0·97	8·3	+ 3·9	15	+ 7
1. SCOTLAND, E.	Nairn	46	22	41·6	33·3	37·5	− 3·5	0	32	5	0·18	− 0·32	*	*	*	*
	Aberdeen	46	25	40·7	35·9	38·3	− 3·6	0	26	6	1·34	+ 0·64	16·1	+ 3·8	29	+ 7
	Braemar §	46	5	36·8	28·4	32·6	− 5·7	0	66	6	1·38	+ 0·53	*	*	*	*
	Clathick §	53	21	43·8	31·4	37·6	− 3·4	5	38	4	0·61	− 0·40	*	*	*	*
	Leith	48	28	43·1	36·9	40·0	− 3·0	3	19	3	0·64	+ 0·17	*	*	*	*
	Marchmont §	42	18	40·0	31·1	35·6	− 4·9	0	45	7	1·65	+ 0·89	11·7	− 0·3	21	− 1
2. ENGLAND, N.E	Alnwick Castle	48	21	41·8	35·2	38·5	− 4·0	0	25	6	2·54	+ 1·79	*	*	*	*
	Durham	51	25	43·0	34·0	38·5	− 3·1	3	29	5	1·13	+ 0·53	19·4	+ 7·4	34	+ 13
	Shields	50	27	43·0	36·4	39·7	− 3·6	3	20	6	1·32	+ 0·79	*	*	*	*
	Scarborough ℳ	49	32	45·3	38·1	41·7	− 1·9	9	16	6	1·18	+ 0·53	9·5	—	16	—
	Spurn Head	48	31	44·0	39·0	41·5	− 2·6	6	12	6	0·90	+ 0·40	*	*	*	*
	Lincoln	51	26	43·6	35·5	39·6	− 4·4	4	24	3	0·23	− 0·23	*	*	*	*
	Fulbeck (Lincolnshire)	49	25	42·5	35·1	38·8	− 2·9	1	25	4	0·24	− 0·21	15·1	—	26	—
3. ENGLAND, E.	Hillington ℳ	49	27	42·6	34·7	38·7	− 3·8	2	26	5	0·47	− 0·13	6·0	− 6·6	10	− 11
	Yarmouth	48	30	43·6	33·3	41·0	− 2·7	4	14	6	0·30	− 0·34	*	*	*	*
	Geldeston	48	26	43·6	35·2	39·4	− 4·2	4	25	6	0·64	+ 0·06	8·0	− 6·5	13	− 11
	Cambridge	51	29	42·7	35·7	39·2	− 3·5	2	23	3	0·19	− 0·25	7·7	− 6·6	13	− 11
	Felixstowe	49	32	45·2	38·8	42·0	− 1·7	9	9	4	0·82	—	11·7	—	20	—
	Clacton-on-Sea	51	31	43·6	38·1	40·9	− 2·9	4	15	4	0·95	—	10·7	—	18	—
	Rothamsted	52	29	42·5	35·1	38·8	− 3·6	1	25	5	0·39	− 0·24	12·4	− 1·4	21	− 2
	Shoeburyness	52	30	43·7	37·3	40·5	− 3·5	5	18	4	0·51	+ 0·02	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	54	26	42·1	35·0	38·6	− 3·2	0	25	4	0·51	− 0·15	16·2	—	28	—
	Bawtry (Hesley Hall)	49	25	42·0	34·7	38·4	− 4·0	0	25	3	0·35	− 0·11	*	*	*	*
	Nottingham	50	23	42·9	35·7	39·3	− 3·5	3	23	4	0·36	− 0·11	10·3	—	18	—
	Colly Weston (Stamford)	50	29	41·4	35·3	38·4	− 4·2	0	25	4	0·40	− 0·16	*	*	*	*
	Cheadle ℳ	47	26	40·9	33·4	37·2	− 4·4	0	34	3	0·16	− 0·53	*	*	*	*
	Birmingham (Edgbaston)	48	28	40·9	35·3	38·1	− 4·6	0	27	3	0·12	− 0·43	1·4	—	2	—
	Shrewsbury	52	24	43·6	33·1	38·4	− 4·9	4	33	3	0·18	—	*	*	*	*
	Hereford ℳ	50	23	42·8	33·7	38·3	− 5·2	2	30	4	0·47	− 0·10	*	*	*	*
	Cirencester	51	26	43·6	34·1	38·9	− 3·3	4	29	3	0·55	− 0·13	13·3	+ 0·4	22	+ 1
	Oxford	51	27	42·6	35·3	39·0	− 4·3	2	24	4	0·21	− 0·33	8·9	− 4·4	15	− 7
	Westminster	51	33	43·4	37·9	40·7	− 3·1	4	16	4	0·41	—	4·6	− 1·9	8	− 3
5. ENGLAND, S.	London (Brixton)	52	33	43·4	37·6	40·5	− 3·7	4	16	4	0·57	+ 0·05	7·2‡	− 1·0‡	12‡	− 2‡
	Wisley (Surrey)	52	29	42·3	36·0	39·2	− 5·8	1	22	4	0·30	—	9·8	—	16	—
	Swarraton (Alresford) ℳ	49	24	41·2	33·9	37·6	− 5·0	0	31	3	0·36	− 0·36	*	*	*	*
	Tunbridge Wells ℳ											—				
	Dungeness	53	29	45·4	36·6	41·0	− 4·6	10	21	6	1·18	+ 0·58	13·8	—	23	—
	Hastings (St. Leonards)	51	31	43·7	36·5	40·1	− 5·3	5	20	6	1·41	+ 0·66	13·6	− 2·4	22	− 4
	Southampton	52	28	44·2	35·3	39·8	− 5·5	6	25	4	0·42	− 0·30	17·1	+ 3·1	28	+ 5
	Portland Bill	51	32	45·3	37·1	41·2	− 5·6	9	19	5	0·80	—	*	*	*	*
	Shaftesbury ℳ	50	28	40·7	33·7	37·2	− 5·3	0	34	3	0·49	− 0·31	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	48	26	42·2	32·3	37·3	− 6·2	1	34	0	0·00	− 1·92	*	*	*	*
	Glasgow	48	25	41·4	35·0	38·2	− 4·1	0	27	2	0·20	− 0·67	10·4	+ 4·1	19	+ 7
	Cally §	48	20	42·1	31·1	36·6	− 5·9	0	38	1	0·07	− 1·16	*	*	*	*
	Aspatria	48	22	41·6	32·0	36·8	− 5·4	0	36	2	0·11	—	23·0	—	40	—
	Douglas (Isle of Man)	51	27	44·7	36·0	40·4	− 4·2	8	23	3	0·11	− 0·95	24·6	+ 10·4	42	+ 18
7. ENGLAND, N.W.	Newton Rigg	48	19	41·3	31·5	36·4	− 3·7	0	39	4	0·16	—	19·7	—	35	—
	Stonyhurst	48	25	41·6	34·4	38·0	− 4·5	0	28	3	0·07	− 0·97	18·2	+ 8·0	31	+ 14
	Blackpool ℳ	50	23	42·6	33·1	37·9	− 5·6	2	32	1	0·04	− 0·75	21·8	+ 11·6	37	+ 20
	Manchester (Prestwich)	49	26	41·4	34·5	38·0	− 4·6	0	28	2	0·09	− 0·71	8·7	—	15	—
	Liverpool Obsy. (Bidston)	49	30	42·4	36·9	39·7	− 4·5	1	18	3	0·09	− 0·55	18·0	—	31	—
	Chester (Hawarden Bridge)	51	29	43·4	36·0	39·7	− 4·8	4	22	2	0·25	—	*	*	*	*
	Llandudno ℳ	50	29	44·9	38·7	41·8	− 3·9	8	14	2	0·02	− 0·75	18·4	+ 6·4	31	+ 11
	Holyhead	50	31	44·9	40·0	42·5	− 4·1	12	6	5	0·41	− 0·51	*	*	*	*
	Bettws-y-Coed	49	23	43·1	33·0	38·1	− 7·5	3	33	5	0·07	—	5·3	—	9	—
8. ENGLAND, S.W.	Llangammarch Wells	48	16	41·1	30·1	35·6	− 6·4	0	45	3	0·50	—	—	—	—	—
	Pembroke	51	32	45·4	38·3	41·9	− 5·6	10	16	4	1·06	+ 0·16	21·8	+ 7·4	36	+ 12
	Cardiff	51	21	44·1	33·7	38·9	− 8·6	6	31	2	0·50	—	*	*	*	*
	Clifton	49	27	42·4	35·0	39·2	− 4·7	1	22	3	0·44	− 0·33	*	*	*	*
	Bath	50	25	44·0	34·3	39·2	− 5·3	6	29	2	0·63	− 0·06	20·1	—	33	—
	Arlington (N. Devon)	49	25	43·6	34·1	38·9	− 5·1	4	29	3	0·77	− 0·58	*	*	*	*
	Cullompton ℳ	50	20	43·9	33·3	38·6	− 5·2	5	32	3	0·51	− 0·34	17·7	+ 5·4	29	+ 9
	Falmouth	51	35	45·9	39·0	42·5	− 5·2	16	8	5	1·39	+ 0·16	18·0	+ 1·6	29	+ 3
	Plymouth	51	28	46·0	36·5	41·3	− 5·3	11	22	3	0·83	− 0·01	22·7	+ 8·2	37	+ 13
9. IRELAND, N.	Malin Head	50	34	44·9	40·6	42·8	− 1·9	11	4	6	0·19	− 0·54	*	*	*	*
	Edenfel (Omagh)	47	20	42·1	31·9	37·0	− 4·6	0	35	2	0·05	− 0·79	*	*	*	*
	Blacksod Point	49	31	45·6	39·6	42·6	− 3·0	14	7	6	0·84	− 0·39	*	*	*	*
	Markree Castle	49	21	45·0	29·0	37·0	− 6·0	8	48	1	0·01	− 0·91	20·9	+ 7·9	36	+ 14
	Armagh	50	24	43·4	31·2	37·3	− 5·4	4	39	2	0·04	− 0·62	19·0	+ 5·3	33	+ 9
	Donaghadee	51	32	46·0	39·6	42·8	− 1·5	16	7	3	0·26	− 0·45	*	*	*	*
10. IRELAND, S.	Dublin	49	27	44·3	35·7	40·0	− 5·4	6	24	5	1·51	+ 0·92	21·7	+ 5·1	37	+ 9
	Birr Castle	48	19	42·1	29·1	35·6	− 7·8	0	45	3	0·40	− 0·28	14·9	0·0	25	0
	Kilkenny	47	22	42·9	31·7	37·3	− 6·9	3	37	3	0·55	− 0·12	*	*	*	*
	Waterford	49	25	44·4	34·0	39·2	− 5·5	7	30	1	0·93	0·00	*	*	*	*
	Roche's Point	50	31	45·0	36·9	41·0	− 6·0	8	20	4	0·77	− 0·31	*	*	*	*
	Valencia	50	31	46·1	38·1	42·1	− 5·5	17	11	4	1·19	− 0·12	28·4	+ 12·9	47	+ 22
	Killarney	49	22	45·9	33·2	39·6	− 5·9	11	34	4	0·86	− 0·60	*	*	*	*
	Foynes	49	25	42·3	34·1	38·2	− 6·8	1	28	6	0·65	− 0·32	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	52	39	48·0	42·4	45·2	− 4·5	22	0	6	1·57	+ 0·73	21·2	+ 3·7	34	+ 6
	Jersey (St. Aubyn's)	? 54	34	47·4	42·6	45·0	− 3·5	21	0	7	1·69	+ 0·75	11·9	− 5·4	19	− 9

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked § is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

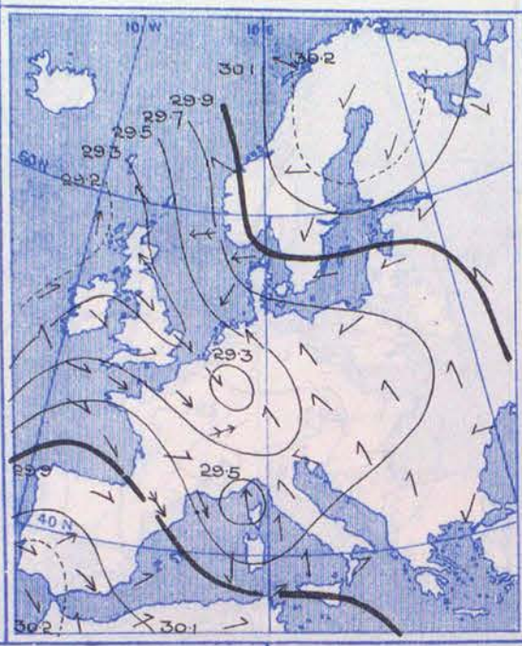
‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 12th November, 1905.

Temperature and Weather. 8 a.m.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

Weather at 8 a.m. fine in the north of Scandinavia; cloudy or quite overcast in almost all other localities, with steady rain or passing showers in many places and snow at Moscow. Heavy rains later in most parts of these Islands and over the southern countries of the Continent, and a thunderstorm at Biarritz. Largest measurements, 1·0 in. at Valencia (Ireland), 1·2 in. at Cherbourg, 1·1 in. at Florence, and 2·8 ins. at Brindisi.

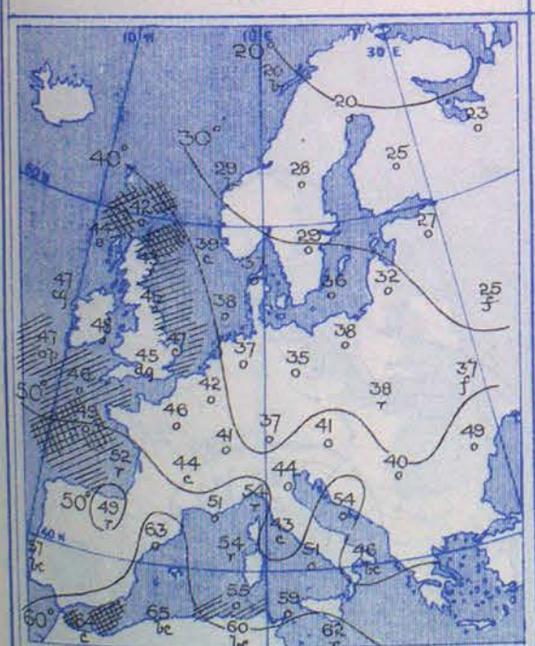
Temperature risen over southern Europe, fallen generally elsewhere. Morning readings much below 32° in the far north; as low as 17° at Uleaborg. Above 60° in the extreme south-west of our area. Below 40° over the central countries and no higher than 46° at Brindisi. Maxima during day slightly above 70° in Algeria, 70° at Barcelona, about 60° in the south of Italy, about 50° in the United Kingdom, and only a few degrees above 40° in central Europe. Frost continuing all day in the north of Scandinavia.

Wind at 8 a.m showing several partial or complete cyclonic circulations. Moderate to fresh in most places, but strong to a slight gale in several localities. Increasing to a fresh gale from the Southward by evening over the Bay of Biscay and at Wick and backing to South-East or East and increasing considerably in force on our west and north-west coasts.

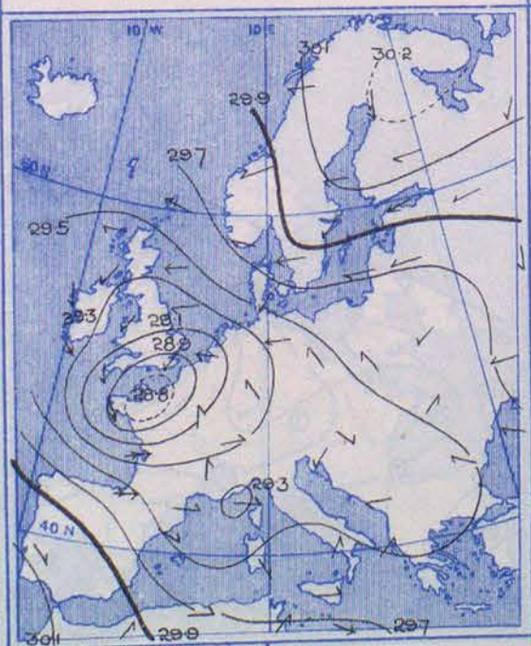
Barometer in morning above 30·2 ins. in the extreme north of our area and also in the south-west of Spain. Below 29·2 ins. off our north-west coasts and below 29·3 ins. in a narrow tongue extending thence, with little interruption, to the south-west of Germany. Less than 29·4 ins. in a separate system over the Gulf of Genoa. Pressure giving way rapidly during day in the south and south-west of the United Kingdom, and a deep depression, which moved east-south-eastwards during the night, appearing off the south-west of Ireland.

Monday, 13th November, 1905.

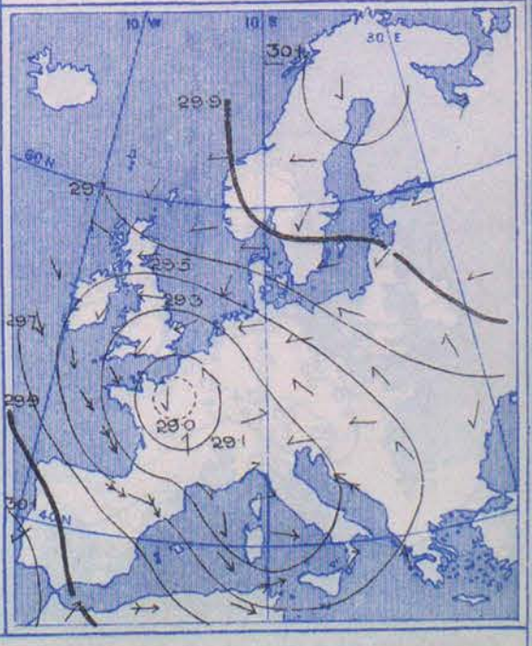
Temperature and Weather 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast in all regions except the north-west of Norway and Algeria. Rain falling in many places both over our Islands and the Continent and snow at Hango. Rain in considerable or large quantities later over the south of Europe and the United Kingdom and a thunderstorm at Biarritz. More than an inch of rain over Italy and the south of France.

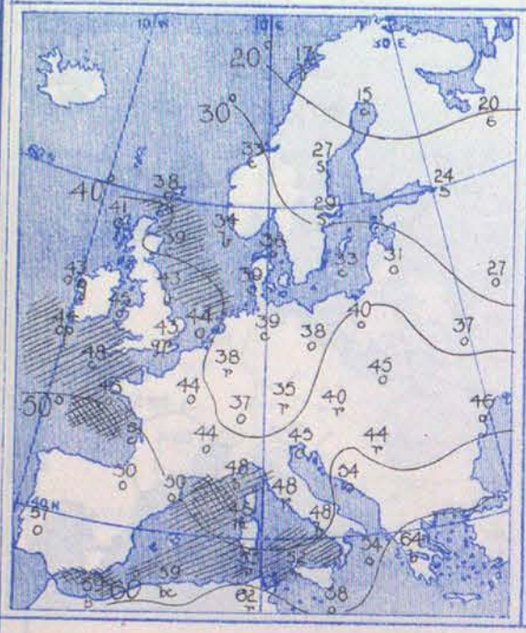
Temperature fallen in nearly all places. Readings in morning above 60° at some stations in the extreme south and as low as 20° in the north of Scandinavia. Below 40° over the major portion of Europe and only 43° at Rome. Less than 45° at many British and French stations. Rising subsequently to 70° and above in Algeria and to above 60° in Greece and the south of Italy. Remaining below 50° at Paris and in most parts of our Islands and only touching 37° at Berlin. Maximum at St. Petersburg 28°.

Wind in morning circulating cyclonically around the English Channel. Strong to a slight gale from between East and North over Scandinavia and our Islands and blowing a very strong gale from the Westward over the Bay of Biscay and the west of France. Increasing to a gale later from North-West or West over the Spanish Peninsula and the Mediterranean and from the South-Eastward at Lesina.

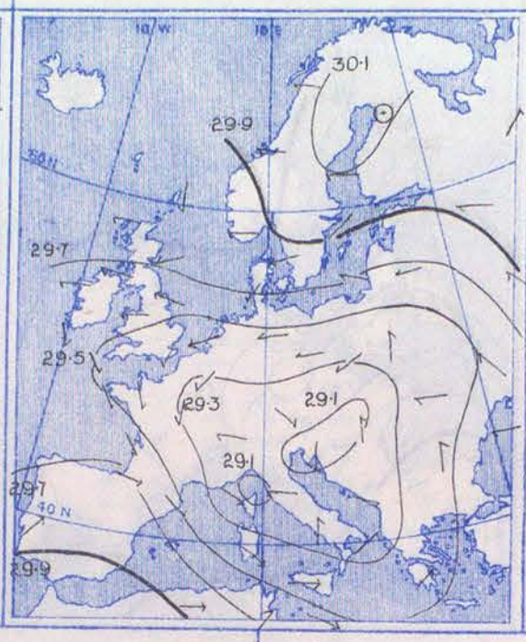
Barometer at 8 a.m. above 30·0 ins. in Lapland and above 30·0 ins. in Portugal. As low as about 28·7 ins. in a depression having its centre near Cherbourg. Gradient unusually steep over the Bay of Biscay and its vicinity. Disturbance travelling eastwards and becoming less deep during day. A small minimum forming over the Adriatic and causing a considerable steepening of the gradient over the Mediterranean.

Tuesday, 14th November, 1905.

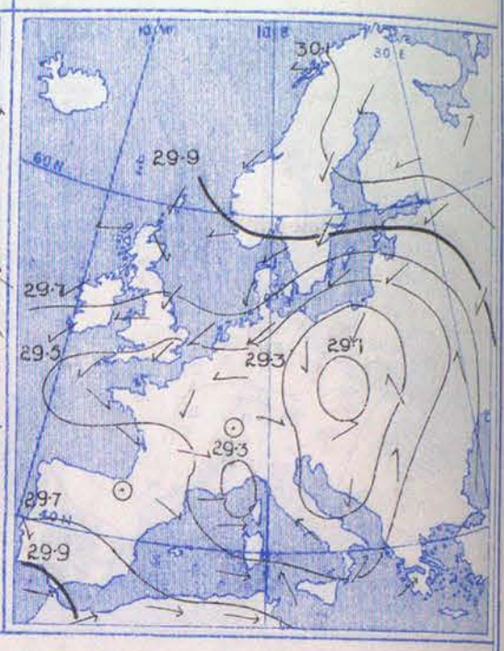
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very cloudy or entirely overcast generally, with rain in several parts of these Islands and in various Continental localities, and snow in Sweden and the north of Russia. Rain or passing showers experienced in most regions later and a thunderstorm at Biarritz. Heaviest falls, 1·3 in. at Rome and 1·5 in. at Vienna.

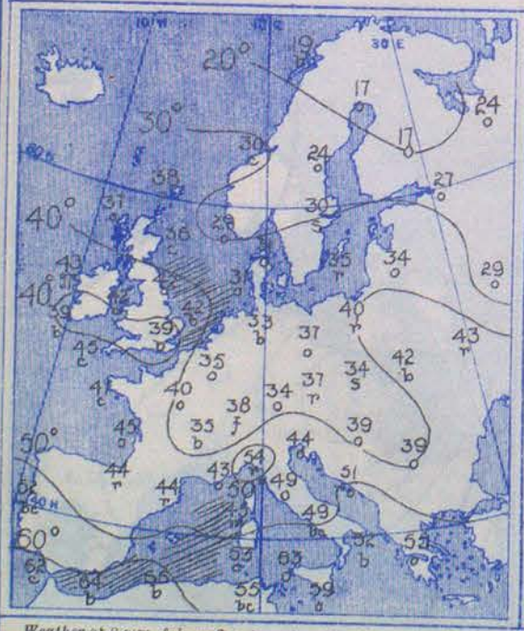
Temperature risen at a few stations, but fallen as a whole. Readings at 8 a.m., 20° or below in the extreme north, below 45° over the major portion of our area, and less than 50° at some southern stations. Highest values, 64° at Patras and 62° at La Calle. Rising subsequently to 73° at Nemours, 70° at Athens, 65° at Malta, and to about 60° in the south of Italy Thermometer remaining below 50° generally and below 32° in the extreme north.

Wind at 8 a.m. showing a vast cyclonic circulation, the North-Easterly and Easterly current over the northern countries being moderate to strong and that from the Westward over the Mediterranean region strong to a gale. No change of a general character later.

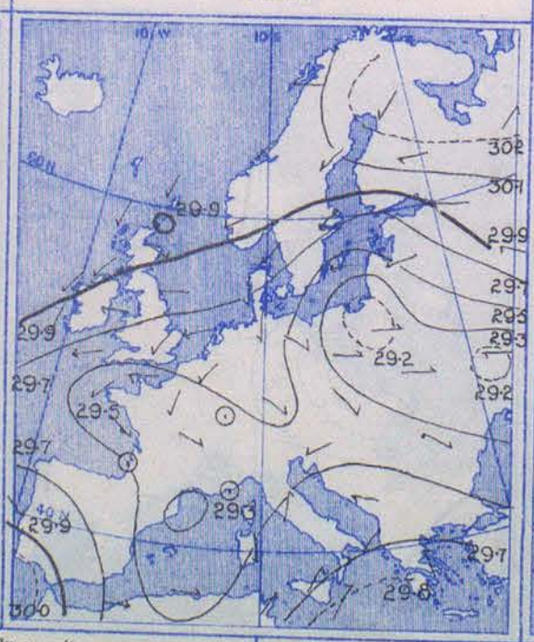
Barometer in morning highest, 30·1 ins. and upwards in an anticyclone extending from the northward towards the centre of Scandinavia. Lowest, 29·2 ins. and less in a large disturbance towards the south of Europe containing two minima. Some small irregularities of pressure shown over the United Kingdom and its neighbourhood. The more northern minimum travelling northwards to Poland during day.

Wednesday, 15th November, 1905.

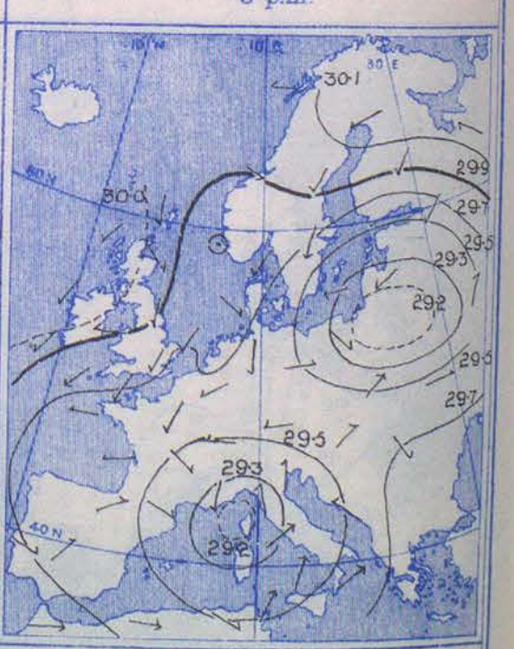
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in a few localities, but very cloudy or quite overcast generally. Rain falling at several stations over southern Europe and rain or snow over the central countries and the Baltic. Slight showers reported from Nottingham and Blacksod Point. Slight showers of hail, sleet, or snow occurring later in several parts of these Islands and heavy falls at some north-eastern and south-eastern stations. Very heavy rain at Biarritz and in northern Italy. A brilliant display of aurora borealis was observed during the evening from almost all parts of the United Kingdom.

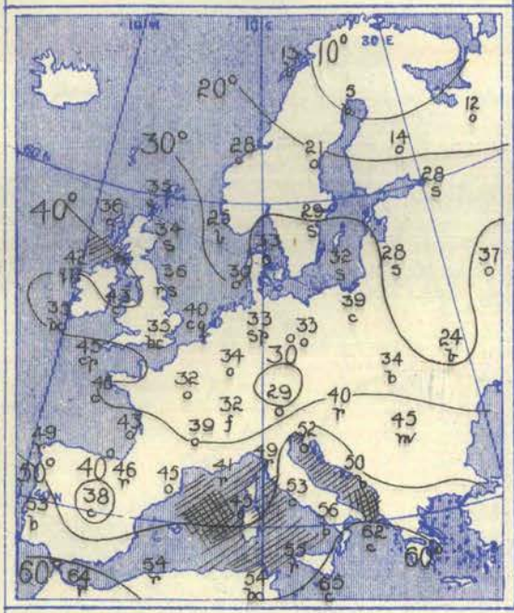
Temperature fallen generally, risen in Norway, Algeria, Sicily, and at some Russian stations. Readings at 8 a.m. below 40° over our area generally, but above 50° in the extreme south and above 60° in places. As low as 17° at Haparanda and Kuopio and below 32° over northern Europe generally. Remaining below the freezing point all day in the latter region and below 40° in various parts of central Europe. Maxima below 45° at most of the home stations and in the north of France; above 60° in the south of Italy, 70° at Malta and Algiers, and 78° at Tunis.

Wind in morning cyclonic very generally. North-Easterly current over the northern countries fresh or strong in many places; a fresh gale at Stockholm and a moderate gale at Swinemünde. South-Westerly current blowing freshly or strongly in Algeria. Not much change as a whole later, but South-Westerly winds increasing in force over Italy and a gale springing up at Palermo.

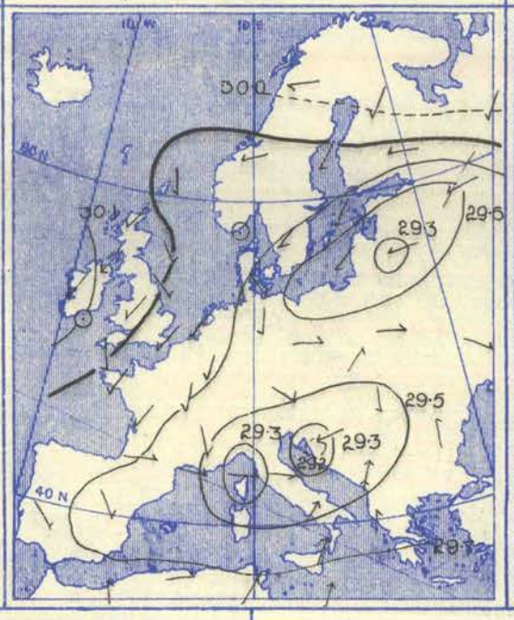
Barometer at 8 a.m. ranging from above 30·2 ins. in the far north of Europe to below 29·8 ins. in a depression off the north-east of Spain, and to 29·2 ins. and less in a larger system centred over East Prussia. Both disturbances travelling east-north-eastwards later and the southern one increasing somewhat in depth. Some local irregularities of pressure appearing in the United Kingdom and its neighbourhood.

Thursday, 16th November, 1905.

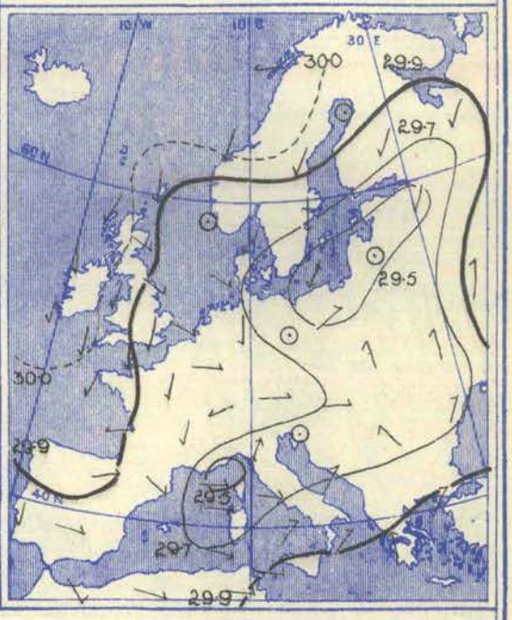
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine in most parts of our Islands and the north of Scandinavia, but showers of snow or sleet prevailing along the east coast of Great Britain and at Cape Gris Nez and Flushing. Dull over Europe generally, with snow over the Baltic and the Gulf of Finland and rain in several localities further south. Rain also falling in Algeria. Showers of hail, sleet, or snow later in many parts of the United Kingdom, and falls of rain or snow over central Europe. A thunderstorm and heavy rain at Biarritz.

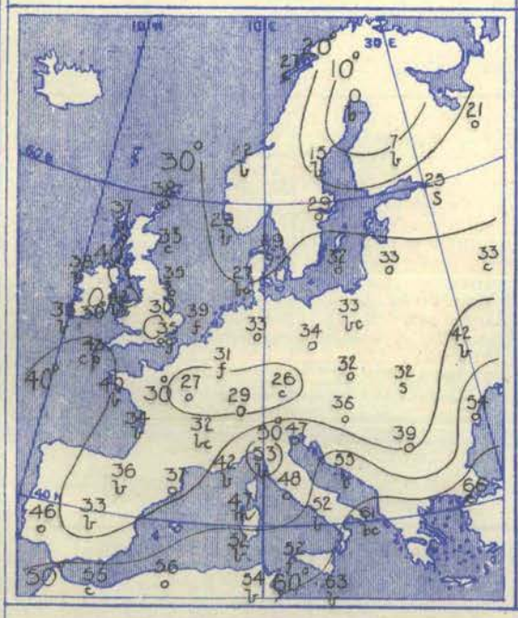
Temperature fallen generally, risen over Italy and the Adriatic. Morning readings ranging from 65° at Malta and 64° at Nemours to below 35° over our area generally, to 26° at Birr Castle, 25° at Aix-la-Chapelle, 12° at Archangel, and to 5° at Haparanda. Maxima below 40° in several parts of our Islands and over central Europe, but above 65° in the far south, and above 70° at Athens, Constantinople, and Tunis, and as high as 81° at Sfax. Severe frost all day over northern Europe.

Wind at 8 a.m. still cyclonic very generally. Light or moderate in most places, but fresh or strong from the North-Eastward over the Baltic and Gulf of Bothnia, and from West and South-West over southern Europe; a strong gale prevailing at Pesaro. No general change later, but North-Easterly wind increasing to a gale at Wisby and a South-West gale setting in at Leghorn.

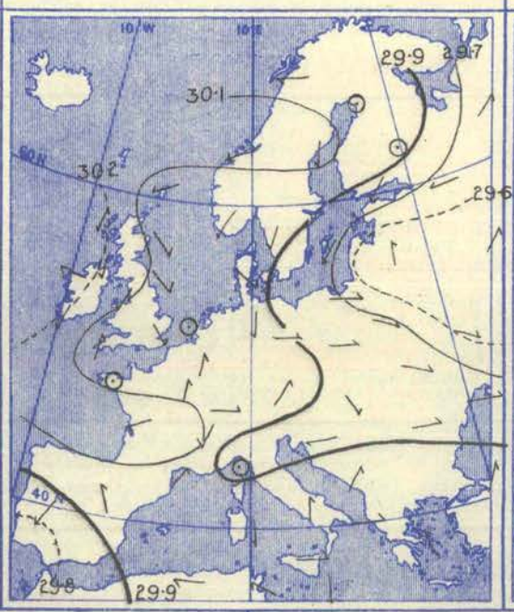
Barometer in morning above 30·1 ins. off the west coast of Ireland and only slightly lower in the extreme north of Europe. Below 29·3 ins. in a complex system over the north of Italy and the Gulf of Genoa and also in another disturbance centred over Courland. Several small local irregularities of pressure over our Islands and their vicinity. Barometer rising in most places later and both low pressure systems becoming less deep.

Friday, 17th November, 1905.

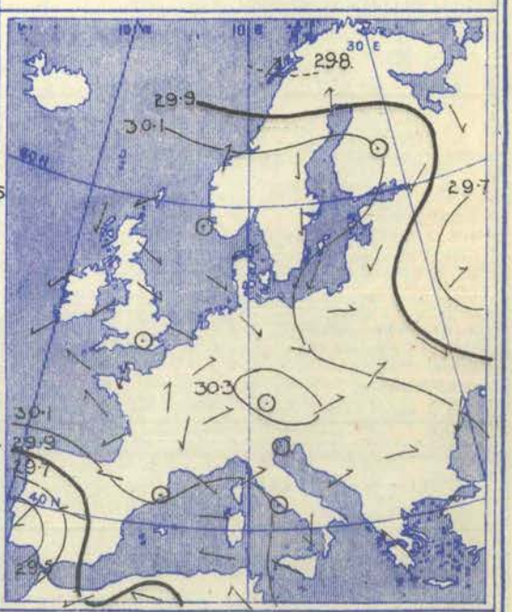
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in some parts of the south of our area, France, and the west and north of Scotland, as well as at several stations in the far north. Some snow showers falling in our Islands and also in many parts of the Continent. Sleet, snow, or hail showers experienced later in many British localities and 1·3 in. of rain at Madrid. Lightning seen at Roche's Point and Scilly.

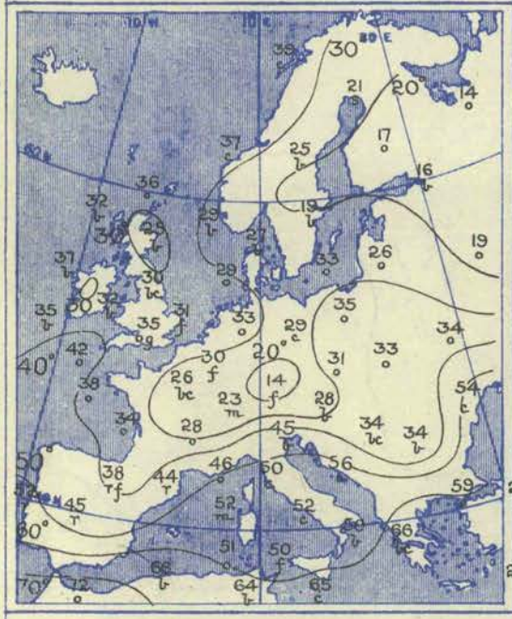
Temperature fallen generally, but risen briskly at Archangel and rapidly in Little Russia. Morning readings ranging from 69° at Athens, and 66° at Constantinople to below 40° generally, and to below 20° at some extreme northern stations. Lowest value, 0° (zero) at Haparanda. Maxima during day below 40° at many of our own stations and only 35° at Brighton. Thermometer rising to 77° at Constantinople and Athens and to 70° or a little higher in Algeria. Frost continuing all day over the north of Europe.

Wind in morning strong to a gale from the North-Eastward over the upper part of the Baltic and light or moderate from between North and East over the north and north-west of our area generally, and also over the Spanish Peninsula. Light or moderate breezes from various points prevailing elsewhere. Wind increasing to a strong breeze from North-East over Portugal later and to a strong gale from the South-Westward at Bodö.

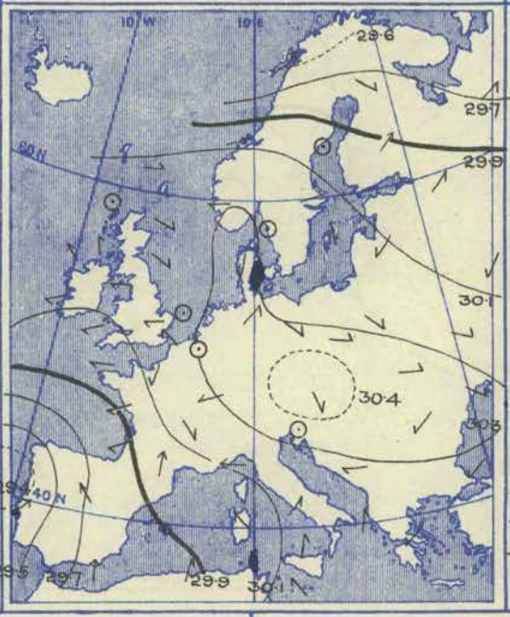
Barometer at 8 a.m. highest, 30·2 ins. and above off our western coasts. Lowest, 29·6 ins. and less in a large depression over Russia. Relatively low over the north of Italy and the south of Spain. Pressure decreasing quickly later over the Spanish Peninsula and the north of Scandinavia and increasing very decidedly over central Europe, Denmark, and the south of Scandinavia.

Saturday, 18th November, 1905.

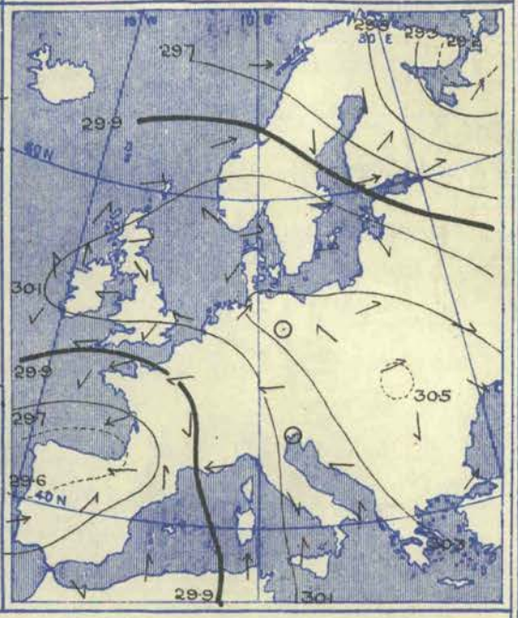
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine in most parts of our Islands and in a few Continental localities; cloudy or overcast generally, with rain over the Spanish Peninsula and the south of France, and snow at Ulealborg. Fog prevailing in the south-east of England, over the Low Countries, and at Munich. Rain, sleet, or snow showers falling later at several of our southern stations, and large quantities of rain or snow over France. Heavy rain occurring at Lisbon and San Fernando. Lightning observed at Scilly and in Ireland.

Temperature risen in the north of Scandinavia and at most stations in the south of our area, fallen elsewhere. Readings in morning highest, 72° at Nemours, 68° at Algiers, and 66° at Athens. Lowest, 14° at Archangel and Munich, 16° at St. Petersburg, 21° at Birr Castle, 23° at Nairn and Belfort. Thermometer only touching a maximum of 29° at Parsonstown, and remaining below 35° in several parts of Great Britain. France, and central Europe. Readings exceeding 70° in Greece and 80° in Algeria.

Wind in morning blowing from some Westerly point over the more northern parts of our area, light generally, but strong to a gale in Norway. Mainly South-Easterly to Easterly in the south and south-west, and fresh or strong in force in several localities. A moderate gale from South-South-West prevailing at Lisbon, and a fresh gale from South at Nemours. Increasing in force to a moderate gale from the Eastward later over the west of France and the south of England.

Barometer at 8 a.m. ranging from 30·4 ins. and upwards over Bavaria and Bohemia, to below 29·6 ins. in a depression over the far north of Norway, and to less than 29·4 ins. in a deep disturbance centred near Oporto. Latter system travelling north-eastwards to the Bay of Biscay during day, and gradients increasing considerably on its northern side. Anticyclone over central Europe receding eastwards.

IV.—GENERAL NOTES, etc.

During the greater part of the week the barometer was relatively high both in the north-east and south-west of our area, while more or less important depressions were found in various parts of the intervening region. Some of these systems produced strong North-Easterly winds or gales over the Baltic region and strong winds and occasional gales from between South and West over the Mediterranean and southern Europe. Towards the end of the week pressure gave way both in the north-east and south-west and was, for a time, highest off our own western coasts, but by Saturday it had risen quickly and become highest over central Europe, while depressions of considerable depth were observed both in the north of Scandinavia and the Spanish Peninsula.

Under these conditions the general character of the weather was unsettled; heavy falls of rain were frequent in the south, and showers of hail, sleet, or snow in the north. At Biarritz the rain was accompanied by thunderstorms. Temperature was low for the time of year; severe frost set in over the extreme north of Europe and the thermometer subsequently was only rarely above 32°. In the far south of our area maximum readings of about 70° or above were still rather common.

At the close of the period the centre of a rather deep depression had reached the Bay of Biscay from the south-westward.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 272.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	13·0	+ 4·5	25	+ 9
STRATHPEFFER SPA	13·5	+ 3·9	25	+ 7
CRATHES	12·0	—	22	—
BALRUDDERY	18·4	—	34	—
EDINBURGH	11·9	+ 1·4	21	+ 3
COCKLE PARK	16·9	—	30	—
NEWCASTLE-on-TYNE	10·4	—	18	—
SALTBURN-by-the-SEA	8·5	—	15	—
YORK	13·9	+ 5·0	24	+ 8
SKEGNESS	14·6	—	25	—
CROMER	17·1	—	29	—
LOWESTOFT	13·3	—	22	—
DUNMOW	8·4	—	14	—
SHEFFIELD	7·9	—	13	—
WORKSOP	9·6	- 1·0	16	- 2
MARGATE	10·7	- 3·6	18	- 6
RAMSGATE	13·9	—	23	—
EASTBOURNE	13·0	- 1·6	21	- 3
BRIGHTON	14·8	- 0·7	24	- 1
WORTHING	14·5	—	24	—
BOGNOR	16·6	—	27	—
VENTNOR HOSPITAL	23·4	+ 8·4	38	+ 14
BOURNEMOUTH	22·9	—	38	—
MARLBOROUGH	12·1	+ 0·7	20	+ 1
SOUTHPORT	18·2	—	31	—
RHYL	20·4	—	35	—
ABERDOVEY	22·2	—	37	—
ABERYSTWYTH	26·2	—	44	—
TENBY	27·9	+ 13·5	47	+ 23
TORQUAY	21·2	+ 6·6	34	+ 11
NEWQUAY	23·5	+ 6·1	38	+ 10
GUERNSEY	12·8	- 1·4	21	- 2

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.

NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration.	Difference from the Mean for the Week.
No. 40, page 236 — Hillington	—	—	—	—	—	—	—	—	—	—	—	19·9	- 6·1	25	- 8
,, 40, ,, 236 — Malin Head	—	—	—	46·4	49·5	-1·8	53	—	—	—	—	—	—	—	—
,, 40, ,, 236 — Scilly	—	—	—	—	—	—	—	—	—	0·08	-0·72	—	—	—	—
,, 41, ,, 246 — Sheffield	—	—	—	—	—	—	—	—	—	—	—	9·3	—	12	—
,, 42, ,, 248 — Douglas	—	—	—	33·7	40·9	-7·1	—	32	—	—	—	—	—	—	—

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No 47. FORTY-SEVENTH WEEK, ENDING SATURDAY, NOVEMBER 25TH, 1905. *[Price 6d. Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 278.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	54	18	45·7	35·7	40·7	0 (average)	10	− 4	25	+ 5	1957	− 26	608	− 55
	1. SCOTLAND, EAST	55	6	44·7	31·2	38 0	2 below	8	− 8	40	+15	2257	− 76	668	− 68
	2. ENGLAND, N.E.	57	18	44·6	32·6	38·6	3 below	7	−12	35	+17	2704	+142	504	− 72
	3. ENGLAND, EAST	52	23	45·3	31·7	38·5	4 below	9	−14	38	+18	3054	+ 98	490	−140
	4. MIDLAND COUNTIES	52	21	44·8	31·4	38·1	3 below	8	−14	39	+18	2855	− 45	564	− 94
	5. ENGLAND, SOUTH	54	19	46·2	32·7	39·5	4 below	12	−18	36	+23	3090*	−176	411	− 46
Principal Grazing Districts.	6. SCOTLAND, WEST	55	20	46·2	36·2	41·2	1 below	12	− 9	23	+ 8	2504	+ 9	445	− 54
	7. ENGLAND, N.W.	56	18	45·5	34·7	40·1	3 below	10	−14	28	+15	2694	− 50	388	− 70
	8. ENGLAND, S.W.	55	16	47·1	31·9	39·5	5 below	14	−19	39	+30	2951	−116	378	+ 31
	9. IRELAND, NORTH	54	18	46·7	35·7	41·2	2 below	13	−10	25	+12	2596	− 42	377	− 40
	10. IRELAND SOUTH	56	20	48·5	34·7	41·7	3 below	13	−15	31	+21	3052	+ 32	305	− 3
	— CHANNEL ISLANDS	55	37	50·0	40·9	45·5	3 below	29	−20	3	+ 1	3547	− 62	61	− 65

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 278.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	17	5 more	250	+46	44·6	+ 4·5	7	0	14	0	1115	+ 19	27	0
	1. SCOTLAND, EAST	4	4	3 less	198	+23	26·0	− 2·1	16	+ 5	31	+ 9	1326	+ 26	32	+ 1
	2. ENGLAND, N.E.	4	1	5 less	158	− 4	18·8	− 3·8	16	+ 1	28	+ 2	1466	+ 85	35	+ 2
	3. ENGLAND, EAST	3	2	4 less	157	− 5	18·8	− 3·1	18	+ 5	31	+ 9	1599	+ 47	39	+ 1
	4. MIDLAND COUNTIES	3	3	3 less	159	+ 4	20·2	− 4·6	13	+ 6	23	+10	1378	+ 27	33	+ 1
	5. ENGLAND, SOUTH	4	5	2 less	156	+ 3	24·2	− 1·1	17	+ 4	29	+ 7	1552	− 1	38	0
Principal Grazing Districts.	6. SCOTLAND, WEST	4	17	4 more	183	+ 1	40·1	− 4·3	15	+ 4	27	+ 8	1459	+123	35	+ 3
	7. ENGLAND, N.W.	5	8	1 less	176	+ 4	27·8	− 3·5	13	+ 4	23	+ 7	1436	+201	35	+ 5
	8. ENGLAND, S.W.	4	8	1 less	169	− 4	29·3	− 4·6	19	+ 5	32	+ 9	1518	− 43	37	− 1
	9. IRELAND, NORTH	6	12	4 more	213	+ 7	31·2	− 1·4	11	− 1	20	− 2	1370	+148	33	+ 4
	10. IRELAND, SOUTH	6	12	2 more	192	+ 7	30·3	− 5·7	12	− 2	21	− 4	1360	− 38	33	− 1
	— CHANNEL ISLANDS	4	8	1 less	194	+16	27·2	− 1·8	14	− 1	23	− 2	1684	−137	41	− 3

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was very rainy in Ireland and rain was also frequently experienced in most other parts of the Kingdom, but over the centre and east of England the greater part of the week was fair and dry. Aurora was observed at Wick during the night of Thursday-Friday.

Temperature was again below the normal generally, but in Scotland N. it just equalled it. In England S. and E. the deficit amounted to 4°, and in England S.W. to 5°. The highest of the maxima, which were recorded either on the 22nd or 25th, ranged from 57° in England N.E. and 56° in England N.W. and Ireland S., to 52° in England E. and the Midland Counties. The lowest of the minima were registered either at the commencement or middle of the week. In Scotland E. (at Braemar on the 19th) the thermometer fell to 6°, while elsewhere the lowest readings varied from 16° in England S.W. (at Llangammarch Wells) and 18° in several of the western and northern districts, to 23° in England E., and to 37° in the Channel Islands.

Rainfall was less than the mean in Scotland E. and in all the English districts, but more in Ireland and in Scotland N. and W.

Bright Sunshine exceeded the mean in nearly all parts of Great Britain, but was only equal to it in Scotland N., and slightly deficient in Ireland and the Channel Islands. The percentage of the possible duration ranged from 32 in England S.W. and 31 in England E. and Scotland E. to 20 in Ireland N., and to 14 in Scotland N.

Barometer and Wind. At the beginning of the week a depression travelled north-eastwards over France, and produced strong Easterly and North-Easterly winds on all our southern coasts, but as it travelled away pressure recovered in its rear, and from Tuesday to the end of the period was highest to the southward or south-westward of our Islands. With this distribution low pressure systems from the Atlantic skirted our north-western and northern coasts, while some secondaries passed eastward directly over our Islands, and the South-Westerly winds consequently increased in force to a moderate or fresh gale on several parts of our coasts. At the end of the period a depression of great depth was approaching Ireland and causing further gales or strong winds in most districts.

(The newspapers report that slight but distinct earthquake shocks were felt in the Manchester district early on Saturday morning.)

4259 370 Wy. & S. Ltd. 11 | 05

II.—DATA from which the SUMMARY on page 277 has been calculated.

Districts. Nov. 19-25, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
	Sumburgh Head	47	34	45·1	38·6	41·9	+ 0·4	9	14	7	1·21	+ 0·24	*	*	*	*
	Stornoway	51	30	46·9	37·6	42·3	+ 1·0	21	12	6	2·30	+ 1·06	7·0	- 1·3	14	- 3
	Wick	48	27	44·7	34·0	39·4	- 1·4	8	30	4	0·27	- 0·40	*	*	*	*
O. SCOTLAND, N.	Lairg Ş	53	18	46·0	32·6	39·3	+ 1·6	11	36	4	1·06	+ 0·21	*	*	*	*
	Glencarron Ş	54	27	46·3	36·8	41·6	+ 1·8	12	22	6	3·28	+ 1·02	*	*	*	*
	Fort Augustus Ş	53	22	45·3	34·3	39·8	- 0·8	9	29	5	2·17	+ 1·11	4·5	+ 0·9	9	+ 2
	Nairn	55	23	46·3	34·0	40·2	+ 0·2	12	31	5	0·18	- 0·32	*	*	*	*
	Aberdeen	53	23	44·4	31·3	37·9	- 3·0	7	39	3	0·08	- 0·64	19·1	+ 7·8	37	+ 15
	Braemar Ş	50	6	42·1	27·4	34·8	- 2·6	0	52	5	0·77	- 0·07	*	*	*	*
1. SCOTLAND, E.	Clathick Ş	51	18	46·1	31·8	39·0	- 0·9	11	39	5	1·20	+ 0·20	*	*	*	*
	Leith	55	22	46·4	33·6	40·0	- 2·0	12	32	5	0·13	- 0·34	*	*	*	*
	Marchmont Ş	50	13	43·0	29·1	36·1	- 3·5	3	46	3	0·29	- 0·46	13·9	+ 3·2	26	+ 6
	Alnwick Castle	51	18	44·2	30·8	37·5	- 3·9	6	41	4	0·05	- 0·69	*	*	*	*
	Durham	57	20	45·0	32·5	38·8	- 1·8	8	36	4	0·11	- 0·49	13·9	+ 2·9	25	+ 5
	Shields	50	25	44·0	32·0	38·0	- 4·4	6	36	4	0·06	- 0·47	*	*	*	*
	Scarborough Ṁ	52	31	45·1	36·1	40·6	- 1·9	9	23	4	0·18	- 0·45	15·1	—	28	—
2. ENGLAND, N.E	Spurn Head	49	30	45·1	35·6	40·4	- 2·6	9	25	2	0·10	- 0·40	*	*	*	*
	Lincoln	51	25	44·4	30·7	37·6	- 5·3	7	42	5	0·12	- 0·34	*	*	*	*
	Fulbeck (Lincolnshire)	52	25	44·5	30·3	37·4	- 3·0	7	43	4	0·10	- 0·34	16·2	—	28	—
	Hillington Ṁ	48	26	43·3	30·5	36·9	- 4·4	4	41	5	0·21	- 0·39	15·7	+ 4·3	28	+ 8
	Yarmouth	49	30	44·9	32·9	38·9	- 3·7	8	34	3	0·22	- 0·40	*	*	*	*
	Geldeston	49	24	45·7	31·9	38·8	- 3·6	10	38	3	0·21	- 0·35	19·9	+ 6·7	35	+ 12
	Cambridge	50	26	44·1	30·2	37·2	- 4·4	6	43	2	0·13	- 0·30	12·9	+ 0·2	22	0
3. ENGLAND, E.	Felixstowe	49	28	46·1	32·4	39·3	- 3·3	11	37	3	0·29	—	18·6	—	32	—
	Clacton-on-Sea	50	29	45·1	33·0	39·1	- 3·8	9	34	2	0·18	—	15·1	—	26	—
	Rothamsted	52	23	46·3	29·2	37·8	- 3·6	12	48	4	0·27	- 0·34	21·3	+ 9·0	37	+ 15
	Shoeburyness	51	26	47·1	33·3	40·2	- 3·0	14	34	2	0·08	- 0·39	*	*	*	*
	Harrogate	49	26	44·2	33·2	38·7	- 2·0	6	32	6	0·33	- 0·34	7·5	—	13	—
	Bawtry (Hesley Hall)	50	25	44·7	32·9	38·8	- 2·3	8	34	3	0·12	- 0·34	*	*	*	*
	Nottingham	51	24	43·7	28·3	36·0	- 5·6	5	49	2	0·09	- 0·35	8·6	—	15	—
	Colly Weston (Stamford)	52	29	45·7	32·1	38·9	- 2·5	10	37	5	0·18	- 0·36	*	*	*	*
	Cheadle Ṁ	48	25	43·1	31·2	37·2	- 3·3	3	39	4	0·36	- 0·33	*	*	*	*
4. MIDLAND COUNTIES	Birmingham (Edgbaston)	49	27	43·6	33·1	38·4	- 3·3	4	33	2	0·17	- 0·37	14·5	—	25	—
	Shrewsbury	52	23	45·6	31·3	38·5	- 3·8	10	40	2	0·18	—	*	*	*	*
	Hereford Ṁ	52	21	44·4	30·3	37·4	- 4·9	7	43	4	0·50	- 0·06	*	*	*	*
	Cirencester	52	27	46·1	29·1	37·6	- 3·5	11	48	2	0·58	- 0·09	20·8	+ 9·1	36	+ 16
	Oxford	52	25	47·3	32·0	39·7	- 2·8	15	39	4	0·18	- 0·36	16·9	+ 4·7	29	+ 8
	Westminster	52	25	46·3	30·4	38·4	- 4·3	12	44	3	0·15	—	8·5	+ 3·4	15	+ 6
	London (Brixton)	52	24	45·9	30·4	38·2	- 4·8	11	44	3	0·20	- 0·31	10·0‡	+ 2·7‡	17‡	+ 5‡
	Wisley (Surrey)	54	21	47·1	30·1	38·6	- 5·5	14	45	3	0·16	—	23·3	—	40	—
	Swarraton (Alresford) Ṁ	53	19	45·5	26·4	36·0	- 5·6	10	57	3	0·68	- 0·03	*	*	*	*
	Tunbridge Wells Ṁ	52	26	46·1	31·6	38·9	- 3·8	11	40	3	0·64	—	21·4	—	36	—
5. ENGLAND, S.	Dungeness	52	31	47·3	34·6	41·0	- 3·4	15	30	6	0·65	+ 0·08	14·4	—	24	—
	Hastings (St. Leonards)	51	33	46·4	36·3	41·4	- 2·9	12	23	5	0·40	- 0·34	18·8	+ 3·8	32	+ 7
	Southampton	53	25	46·3	32·1	39·2	- 4·9	12	38	3	0·81	+ 0·10	18·7	+ 6·0	32	+ 10
	Portland Bill	52	32	47·1	38·4	42·8	- 2·8	21	10	3	0·48	—	*	*	*	*
	Shaftesbury Ṁ	51	29	44·2	34·0	39·1	- 2·1	6	30	3	0·47	- 0·33	*	*	*	*
	Laudale (Loch Sunart)	55	30	48·1	38·7	43·4	+ 0·7	24	9	6	3·69	+ 1·71	*	*	*	*
	Glasgow	52	24	44·7	36·4	40·6	- 0·8	8	22	5	0·92	+ 0·04	4·9	- 0·3	9	- 1
6. SCOTLAND, W.	Cally Ş	49	20	45·2	33·5	39·4	- 2·0	9	32	4	1·26	+ 0·03	*	*	*	*
	Aspatria	51	20	45·4	35·2	40·3	- 1·4	10	26	4	1·04	—	17·2	—	31	—
	Douglas (Isle of Man)	52	27	47·6	37·0	42·3	- 1·6	23	14	3	1·37	+ 0·30	21·4	+ 8·8	39	+ 16
	Newton Rigg	49	18	43·5	32·2	37·9	- 1·7	4	36	4	0·54	—	18·0	—	33	—
	Stonyhurst	49	27	43·1	34·2	38·7	- 2·7	3	28	5	0·86	- 0·18	8·6	- 0·3	15	- 1
	Blackpool Ṁ	50	23	44·6	34·4	39·5	- 3·0	7	28	4	0·63	- 0·13	17·6	+ 8·7	31	+ 16
	Manchester (Prestwich)	49	27	43·2	34·0	38·6	- 3·0	3	29	6	0·92	+ 0·13	4·0	—	7	—
7. ENGLAND, N.W.	Liverpool Obsy. (Bidston)	52	25	45·4	34·1	39·8	- 3·4	10	30	4	0·59	- 0·04	16·0	—	29	—
	Chester (Hawarden Bridge)	55	28	47·0	34·7	40·9	- 2·7	14	29	3	0·33	—	*	*	*	*
	Llandudno Ṁ	56	27	48·1	37·7	42·9	- 2·0	24	12	6	0·70	- 0·06	14·3	+ 3·4	26	+ 6
	Holyhead	52	31	48·1	39·1	43·6	- 2·1	23	8	6	1·03	+ 0·11	*	*	*	*
	Bettws-y-Coed	52	21	46·1	32·1	39·1	- 5·7	11	38	6	1·32	—	7·9	—	14	—
	Llangammarch Wells	52	16	44·3	29·2	36·8	- 4·2	6	47	4	1·06	—	—	—	—	—
	Pembroke	53	31	49·4	40·4	44·9	- 1·6	27	4	4	1·12	+ 0·22	14·4	+ 1·3	25	+ 2
	Cardiff	52	20	46·3	27·3	36·8	- 8·5	12	54	3	0·62	—	*	*	*	*
	Clifton	54	26	46·1	31·7	38·9	- 3·9	11	39	3	0·42	- 0·34	*	*	*	*
8. ENGLAND, S.W.	Bath	55	27	47·9	28·9	38·4	- 5·0	17	50	2	0·21	- 0·48	21·3	—	37	—
	Arlington (N. Devon)	52	24	47·1	31·6	39·4	- 3·7	14	40	4	1·19	- 0·17	*	*	*	*
	Cullompton Ṁ	53	22	46·3	27·0	36·7	- 5·9	12	56	4	0·64	- 0·22	18·5	+ 7·4	31	+ 13
	Falmouth	53	32	47·4	37·4	42·4	- 4·6	22	13	4	1·21	- 0·03	24·8	+ 9·6	41	+ 15
	Plymouth	53	27	48·9	33·7	41·3	- 4·4	19	34	4	0·95	+ 0·09	17·9	+ 4·4	30	+ 7
	Malin Head	52	34	46·6	39·4	43·0	0·0	18	7	7	0·90	+ 0·16	*	*	*	*
	Edenfel (Omagh)	52	21	45·4	32·0	38·7	- 2·0	10	37	6	1·31	+ 0·47	*	*	*	*
9. IRELAND, N.	Blacksod Point	54	31	49·4	40·9	45·2	+ 0·2	27	3	7	2·59	+ 1·32	*	*	*	*
	Markree Castle	54	18	46·9	33·4	40·2	- 2·0	14	34	6	1·30	+ 0·37	9·4	- 2·2	17	- 4
	Armagh	52	19	45·5	33·8	39·7	- 2·0	10	32	6	0·61	- 0·06	12·1	+ 0·1	22	0
	Donaghadee	53	31	46·1	34·9	40·5	- 3·0	11	28	5	0·75	+ 0·05	*	*	*	*
	Dublin	56	24	47·8	36·1	42·0	- 2·5	16	17	4	0·27	- 0·33	14·6	- 0·7	26	- 1
	Birr Castle	54	20	46·9	31·0	39·0	- 3·3	14	42	7	0·34	+ 0·17	8·2	- 5·3	14	- 9
	Kilkenny	53	21	46·4	31·1	38·8	- 4·5	12	42	6	0·82	+ 0·14	*	*	*	*
10. IRELAND, S.	Waterford	53	20	49·9	31·9	40·9	- 2·8	22	41	4	0·91	- 0·04	*	*	*	*
	Roche's Point	53	29	48·7	36·7	42·7	- 3·6	27	15	7	1·16	+ 0·04	*	*	*	*
	Valencia	55	29	50·4	39·0	44·7	- 2·2	32	8	6	2·39	+ 1·05	12·6	- 1·3	22	- 2
	Killarney	55	23	49·6	35·4	42·5	- 2·5	31	18	6	1·96	+ 0·46	*	*	*	*
	Foynes	55	27	48·5	36·7	42·6	- 1·7	26	15	6	1·13	+ 0·13	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	54	37	50·0	40·9	45·5	- 3·5	29	3	4	0·55	- 0·32	23·9	+ 7·8	40	+ 13
	Jersey (St. Aubyn's)	55	37	49·9	40·9	45·4	- 2·0	28	3	5	1·12	+ 0·18	9·8	- 6·5	16	- 11

Information for Stations marked Ṁ is supplied by the Royal Meteorological Society, and that for Stations marked Ş is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

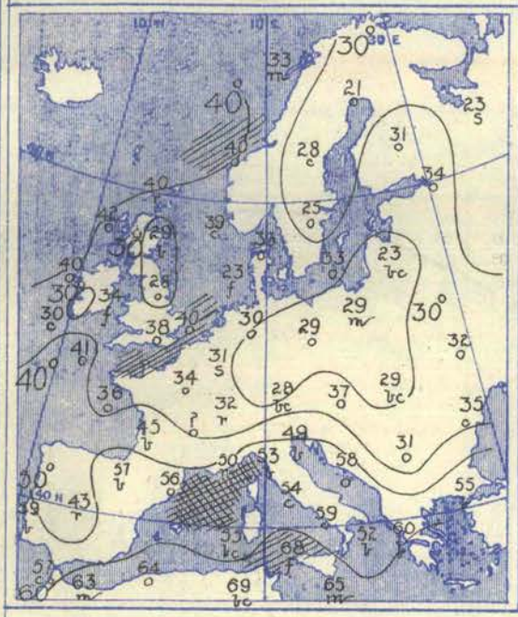
‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 19th November, 1905.

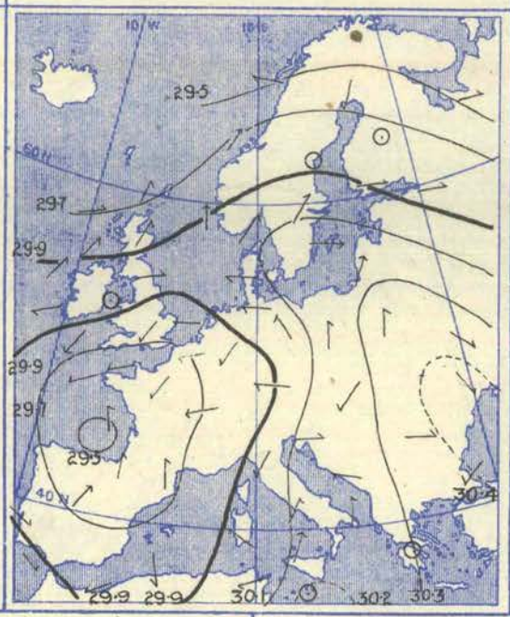
Temperature and Weather.

8 a.m.

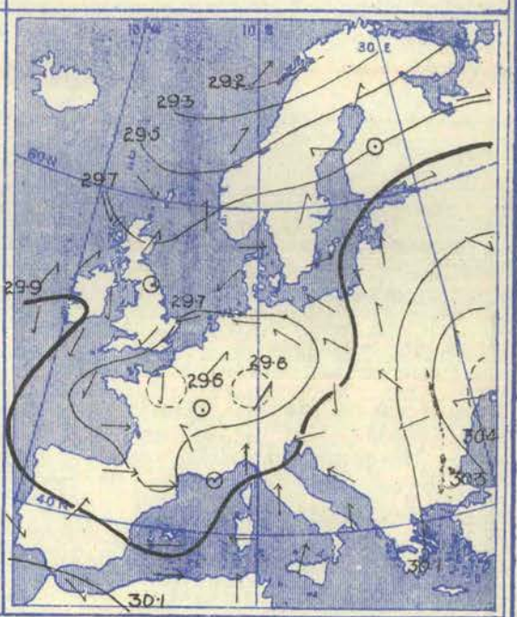


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. fine and bright in the south-east of Europe; dull generally elsewhere, with rain at several Spanish and French stations and snow in the north of the latter country and at Brussels, and snow showers in central England. Snow falling also at Archangel, and rain in the north-east of Scotland. Large quantities of rain or snow experienced in France later, and smaller amounts over our Islands, Germany, and Scandinavia. A thunderstorm occurring at Lyons and lightning at Clermont and Perpignan.

Temperature fallen in some localities, but risen generally. Morning readings as high as 69° at La Calle, 68° at Palermo, and above 60° at some other southern stations. Lowest, 21° at Haparanda, 23° at Riga, 22° at Leith, 23° at Birr Castle. Below 30° in many parts of central Europe. Rising subsequently to about 40° at most of our own stations, to above 50° in the south of France, above 60° in Italy, and to above 70° in Sicily. Maximum at Tunis as high as 90°. Thermometer failing to touch 40° over central Europe.

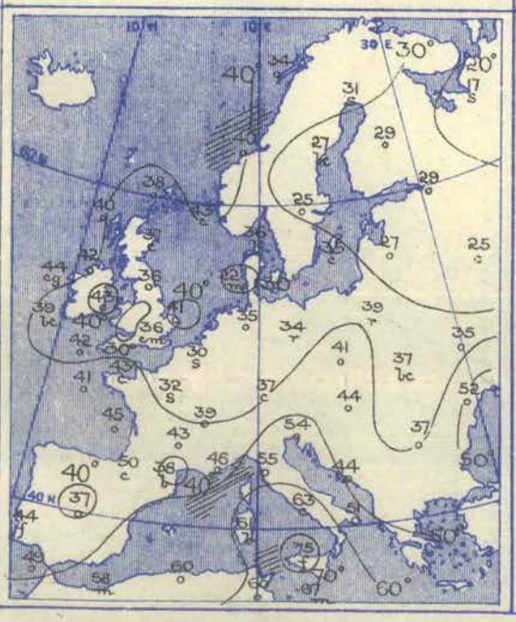
Wind at 8 a.m. showing a cyclonic circulation of considerable strength around the Bay of Biscay. An anticyclonic movement prevailing over the south-east and east of Europe, and moderate South-Westerly winds over Scotland, Norway, and the northern parts of Ireland and England. Increasing in force later over several parts of the Mediterranean and Adriatic.

Barometer in morning above 30·4 ins. in an anticyclone over the Black Sea and its vicinity, decreasing to below 29·5 ins. in the far north of Europe and over the Bay of Biscay. Relatively low off our own north coast. Pressure becoming as low as 29·15 ins. at Bodö by 6 p.m. Bay of Biscay disturbance travelling quickly north-eastwards and barometer rising decidedly over the Spanish Peninsula and the south-west of France.

Monday, 20th November, 1905.

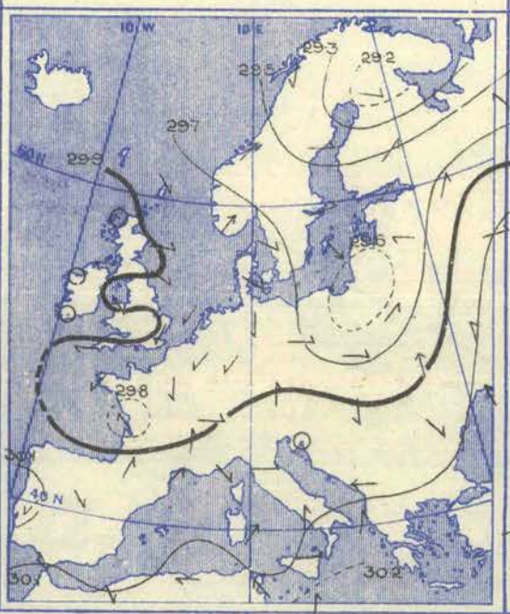
Temperature and Weather

8 a.m.

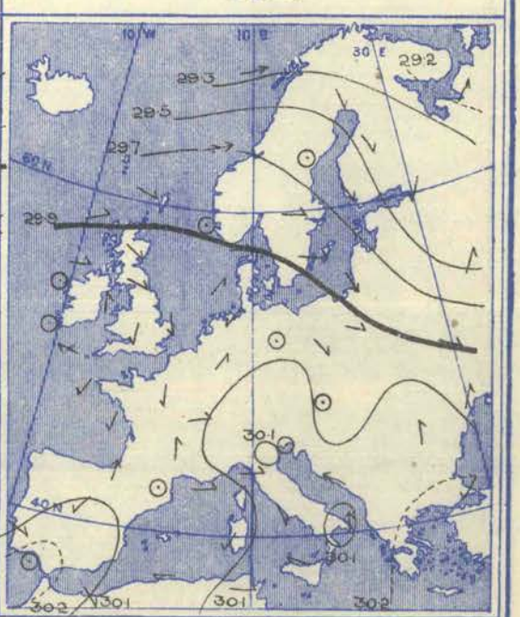


Barometer and Wind.

8 a.m.



6 p.m.



Weather at 8 a.m. overcast or very cloudy generally, with snow in the north of France, at Brussels, several shores of the Baltic, and at Haparanda, and rain at Berlin. Fog prevailing at Nottingham and also on the coast of Portugal. Rain falling later at some of our own western stations and in various parts of the Continent, 0·75 in. at Bodö and Copenhagen and 1·03 in. at Haparanda.

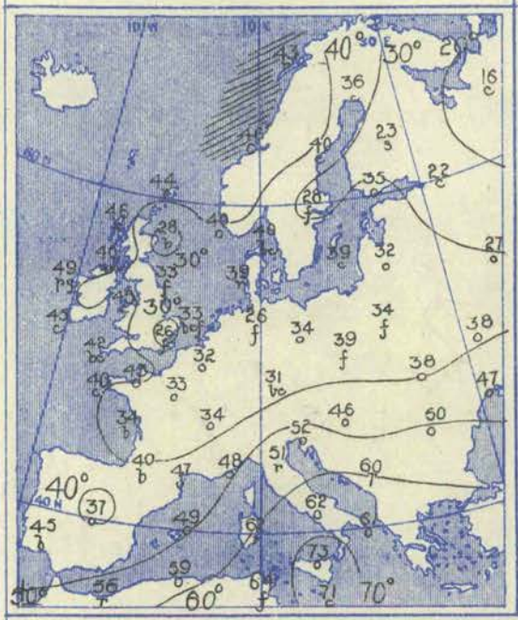
Temperature risen in the west and north of the United Kingdom and in several of the central and southern parts of the Continent, fallen or changed irregularly elsewhere. Morning readings as high as 75° at Palermo, 67° at Malta, 61° at Cagliari. Below 40° over our area generally, and below 30° in many regions. Lowest values, 17° at Archangel, 25° at Moscow, and 28° at Nottingham. Rising later to 81° at Sfax, 79° at Palermo, and to 68° at Naples and Brindisi. Remaining below 50° over the greater part of Europe and below 40° in many places.

Wind in morning showing an extensive cyclonic circulation on the Continent and a smaller one over the Bay of Biscay. Fresh or strong in a few localities, but light or moderate as a whole. Increasing to a moderate gale from the South-Westward on the north-west coast of Norway by evening, but no important change occurring elsewhere.

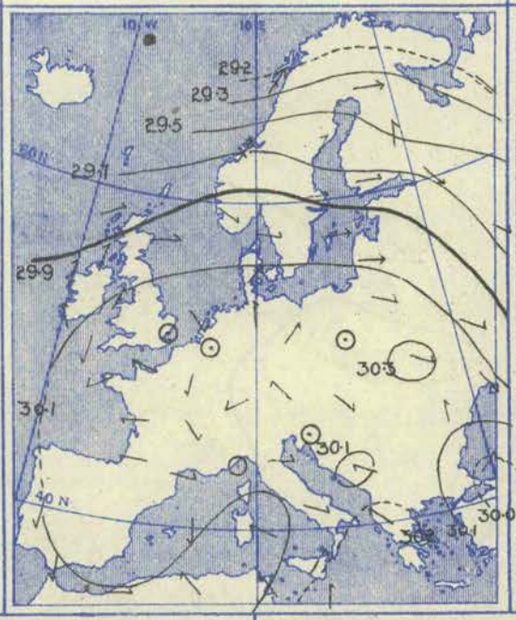
Barometer at 8 a.m. highest, 30·3 ins. and upwards in the south-east of Russia, 30·2 ins. at Malta, and 30·1 ins. at Oporto. Lowest, 29·2 ins. at Haparanda and in its vicinity, below 29·6 ins. in a depression centred over East Prussia, and below 29·8 ins. in a shallower system over the Bay of Biscay. Depressions either dispersing or travelling away eastwards during day, but another brisk fall of the barometer commencing at Bodö.

Tuesday, 21st November, 1905.

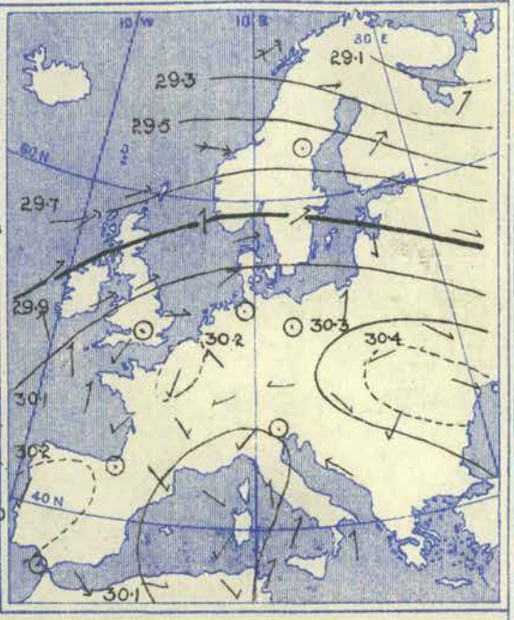
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. again cloudy or overcast generally. Rain or passing showers falling at Blacksod Point and Sumburgh Head, Bodö, Cracow, and also at several stations in southern Europe. Fog very prevalent over England, the south of Sweden, and at Oporto. Very heavy rain experienced later over Italy, Austria, and at some Algerian stations, and considerable falls in the west of Ireland and in Norway.

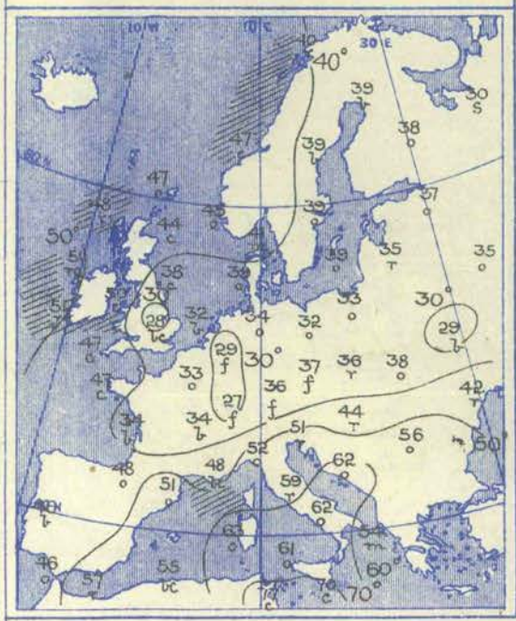
Temperature risen quickly in nearly all parts of the United Kingdom and Scandinavia, fallen in the east of Scotland, the south-east of England, and over France. Readings in morning as high as 73° at Palermo, 71° at Malta, and 62° at Rome and Cagliari. Lower than 40° over the major portion of our area, and below the freezing point in the north of Russia and the south-east of England. Lowest reading, 16° at Archangel. Maxima during day above 50° on our west and south-west coasts, but only 37° in London and 33° at Nottingham. Thermometer rising to 88° at Palermo, 77° at Malta, and to 72° at Tunis.

Wind in morning light or moderate from the South-Westward over our western and northern districts, and strong to a gale from the same quarter along the west coast of Norway. Mainly anticyclonic and of gentle force on the Continent, but strong from West or North-West at Wisby and St. Petersburg. South-Westerly current increasing in force later and extending to all parts of our Islands except the south-east of England; continuing strong in Norway and gale extending to the north of Sweden.

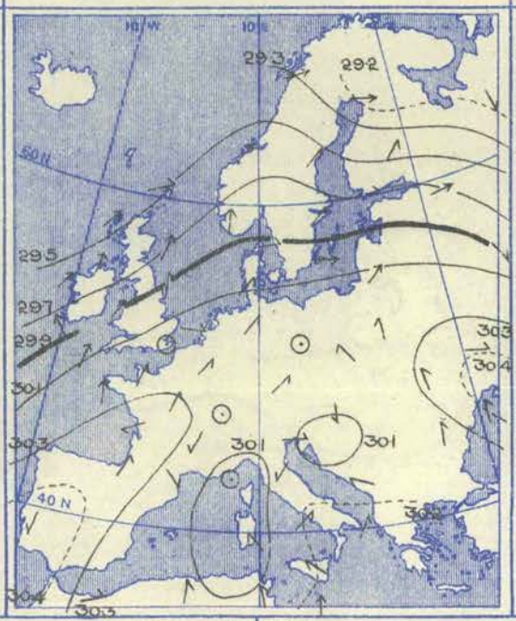
Barometer at 8 a.m. ranging from 30·2 ins. and upwards in a large area of irregular shape covering all the countries of central Europe, to 29·2 ins. and less in a very large depression in the far north. Latter moving eastwards later, but another system appoaching the west of Norway from the Atlantic and causing a steady fall of the barometer on our own western and northern coasts. Gradients increasing decidedly over the northern half of Europe. A second high pressure system appearing over the Spanish Peninsula.

Wednesday, 22nd November, 1905.

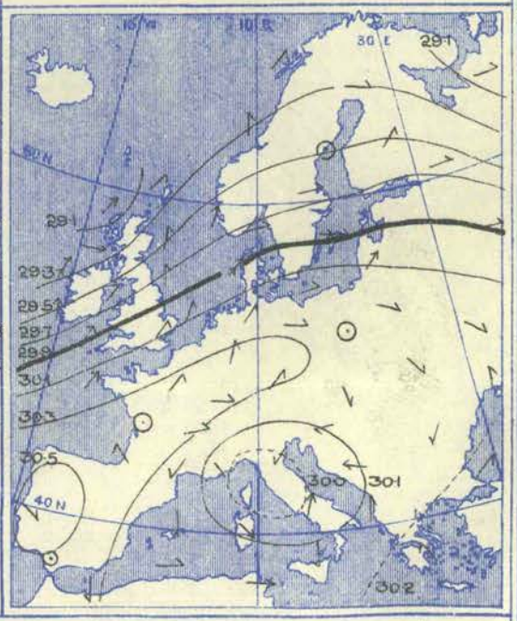
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in many parts of England, the Riviera, Algeria, and the north of Sweden; cloudy or overcast in almost all other regions, with rain in various parts of Ireland, at Stornoway, Bodö, the north of Italy, and in several localities of central Europe, and snow at Archangel. Considerable or heavy falls of rain later in the United Kingdom, the north of Italy, and at some Austrian stations, as well as in the north-west of France.

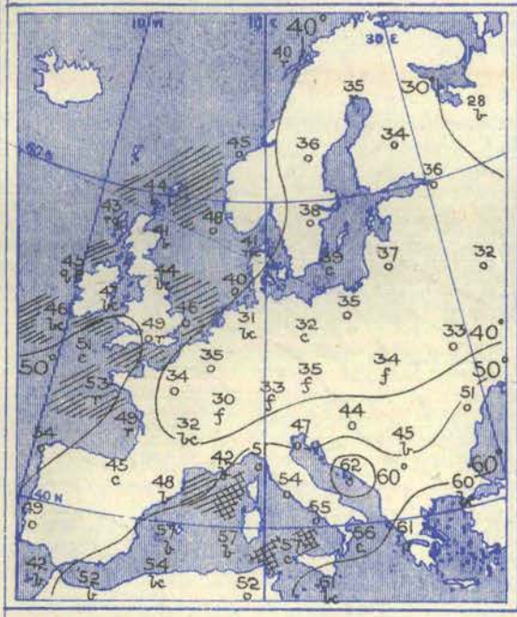
Temperature risen as a whole, but fallen in Algeria and central England. Readings in morning ranging from 77° at Sfax and 70° at Malta, to below 60° at most other southern stations, to below 40° over our area generally, to 29° at Kiev and to 26° at Helsingfors. Rising later to between 50° and 55° in most parts of our Islands and in the south of France, to above 60° in the south of Italy, to 79° at Tunis, and to 80° at Palermo. Maxima below 40° in Germany and the Netherlands and not much above it in Austria.

Wind at 8 a.m. strong to a moderate gale from the South-Westward on all our western and northern coasts and strong to a fresh gale along the west coast of Norway. Light or moderate and more variable in direction over our area generally, but strong from South-West at Memel, and blowing a gale from West at Wisby. A considerable increase in force later over this country, the English Channel, and the North Sea; a gale experienced in many places. A cyclonic circulation of light to fresh winds setting in over the western portion of the Mediterranean and the neighbouring territory.

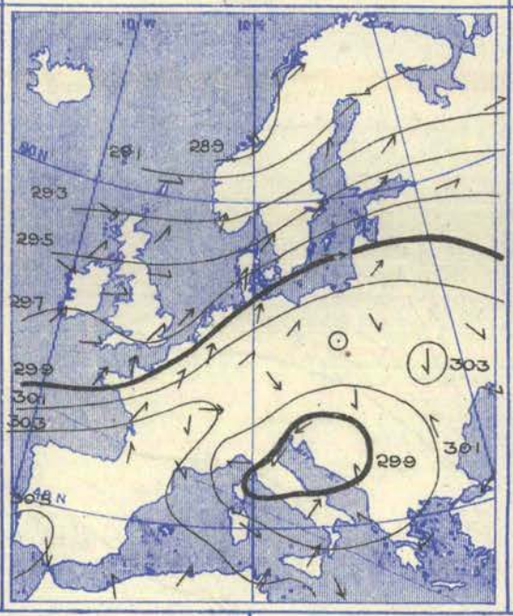
Barometer in morning above 30·4 ins. in the south of Spain and Portugal and the south-east of Russia; below 29·2 ins. in the extreme north of Europe, less than 29·4 ins. off our own north-west coasts, and relatively low in some shallow depressions over the southern parts of our area. Barometer falling very briskly in Ireland and Scotland during day, and considerably over Corsica and its vicinity. Pressure increasing over the Spanish Peninsula and falling over the south of Russia.

Thursday, 23rd November, 1905.

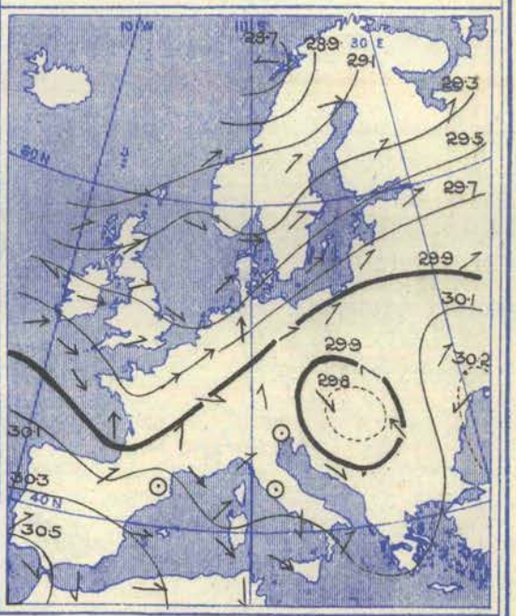
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast generally, but fine and bright at several stations in the Mediterranean region. Showers or steady rain falling at Oporto and in various parts of France and the United Kingdom, and much fog prevailing in central Europe. Some rain later in almost all parts of Europe, except in the Iberian Peninsula, large amounts in the north and north-west of France.

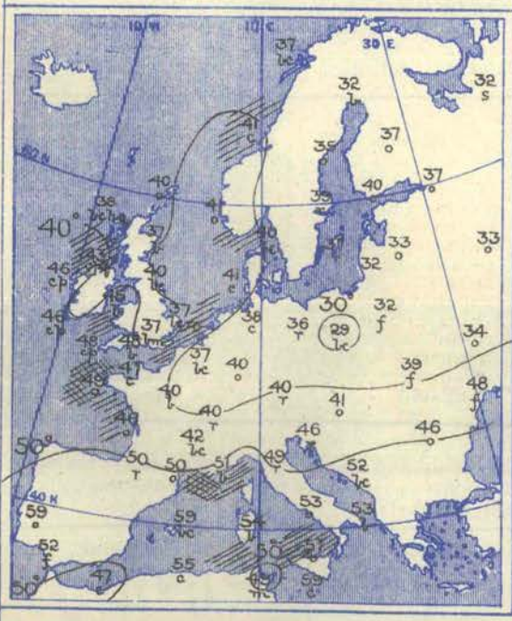
Temperature risen very quickly at most English stations and in the west of France—as much as 23° at Bath and 21° in London; fallen over Ireland and Scotland. Morning readings ranging from 61° at Patras and Malta, and about 50° in the southern counties of England to below 40° generally, and to below 30° in a few places. Rising later to above 50° at many of our own stations, to about 60° in the south of Spain and Italy, and to 68° at Sfax. Maxima over central and northern Europe not much above 40°, and no higher than 35° in places.

Wind in morning Westerly to South-Westerly over the northern half of our area; strong to a slight gale in the south and south-east of England, the Netherlands, Denmark, and the south of Scandinavia. A cyclonic circulation shown in southern Europe, the Northerly current blowing strongly in many places. A considerable increase in the force of the wind taking place later over the Bay of Biscay, but no material change generally.

Barometer at 8 a.m. highest, 30·5 ins. at Lisbon and above 30·2 ins. in a band of relatively high pressure extending thence across central Europe to Roumania. Lowest, below 28·9 ins. in a large and deep depression off the north-west of Norway, and less than 29·9 ins. in another system centred over the Adriatic. Gradients steep over Scandinavia, and its neighbourhood, the Low Countries, and the north of France, and also over the south-east of France and the north of Italy. Northern depression travelling north-eastwards later and barometer falling to 28·64 ins. at Bodö. Adriatic system moving eastwards to Transylvania, and some small secondaries appearing over the west of France.

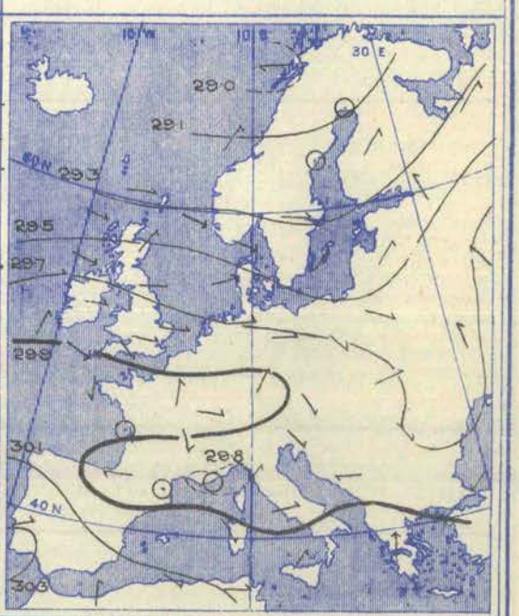
Friday, 24th November, 1905.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.

Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine in most parts of our Islands, the nearer parts of the Continent, and in the Riviera, as well as in the north of Scandinavia; very cloudy or entirely overcast in almost all other regions, with rain in various localities, snow at Archangel, showers of sleet in the north of Scotland, and a good deal of fog in central Europe. Heavy rain later in the south of Russia, the north-west of Spain, and at Biarritz, as well as in the south-west of Norway; smaller amounts in the north-west of our Islands and in a few other districts.

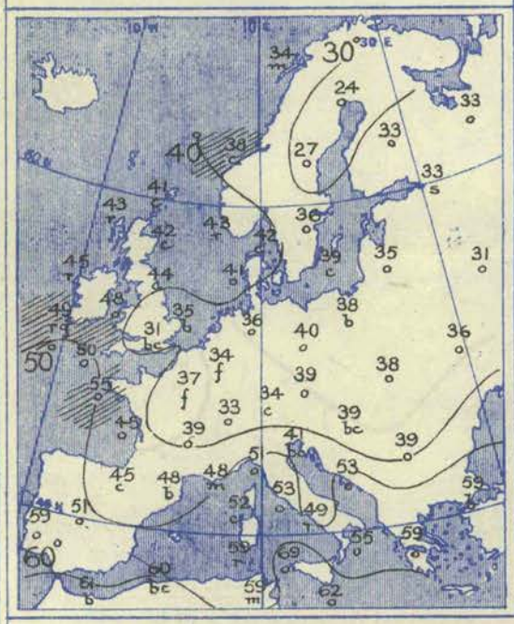
Temperature fallen generally, risen in the Spanish Peninsula. Readings at 8 a.m. as high as 59° at Lisbon, Palma, and Malta, and above 50° at most other stations in the far south. Below 40° over the greater part of our area and about 32° in several places. Lowest value, 29° at Breslau. Maxima during day below 50° in most parts of these Islands, the east of France, and nearly all parts of central Europe, above 60° in the far south, and 70° at Algiers. Frost over the inland counties of England at night.

Wind in morning between West and South over the major portion of our area; fresh or strong in a few localities, but of little force as a whole. Backing towards South on the west coast of Ireland later; little change elsewhere.

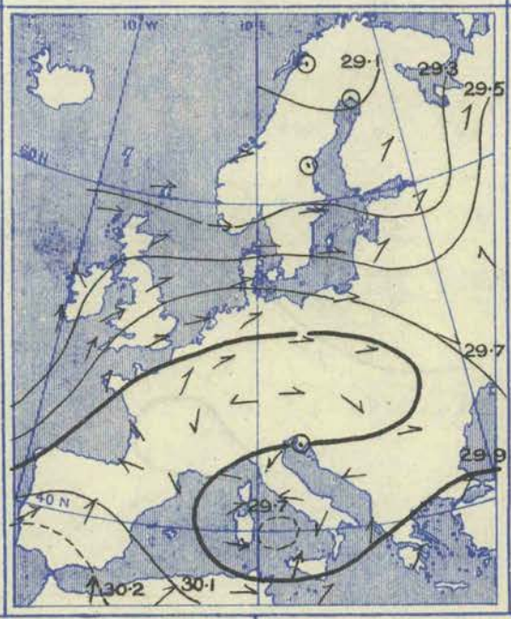
Barometer at 8 a.m. above 30·4 ins. in Morocco and the south of Spain and above 30·1 ins. in the south-east of Russia, 29·0 ins. and less in Lapland, and below 29·8 ins. in elongated low pressures over the Gulf of Genoa and Transylvania. Barometer scarcely changing during day over this country, but a very brisk fall setting in in Ireland during the night and gradients increasing quickly. Low pressures in the south undergoing some modifications and mercury falling in the southern districts of Russia.

Saturday, 25th November, 1905.

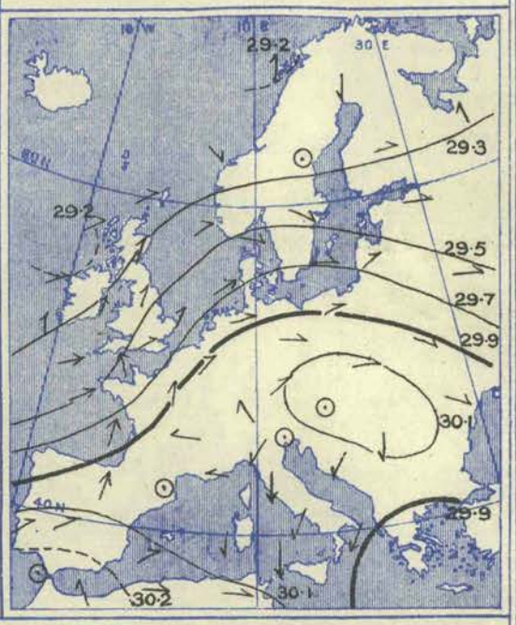
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or quite overcast in almost all places, but fine and bright in Algeria and at a few isolated stations elsewhere. Rainy in many parts of southern Europe, in Ireland and at Nairn, and snow falling at St. Petersburg. Fog prevailing at Paris and Brussels. More than an inch of rain later on the west coast of Ireland, considerable amounts at our other western stations, at some places in the west of France, and also at Palermo and Skudesnaes.

Temperature risen over the central countries, Algeria, Ireland, and Scotland, fallen generally elsewhere. Morning readings ranging from 62° at Malta and about 60° at some other stations in the extreme south, to less than 40° over Europe as a whole, and to below 30° at a few northern stations. Lowest value, 24° at Haparanda. Maxima during day, 77° at Sfax, 67° at Naples and Malta, above 60° at several stations in the south, and 50° or above in many parts of these Islands. Below 50° over central Europe.

Wind at 8 a.m. showing a cyclonic circulation of considerable strength in the south, moderate to strong Westerly winds over the northern half of our area, and fresh to strong Southerly winds on our own western coasts. Increasing in force from the Southward or South-Westward by evening over the whole of the United Kingdom and its neighbourhood, and blowing a gale in many places.

Barometer in morning above 30·2 ins. in Morocco and the adjacent portions of Spain and Portugal. Below 29·8 ins. in a depression centred over the Tyrrhenian Sea, and below 29·1 ins. in Lapland. Below 29·4 ins. off our western coasts and still falling briskly. Pressure decreasing over the whole of western Europe during day; quickly on our south-west coasts under the influence of a secondary depression, and briskly generally. Gradients becoming steep over the English Channel and the Bay of Biscay.

IV.—GENERAL NOTES, etc.

The general distribution of pressure has been somewhat unstable, but, as a rule, the barometer was highest in the Spanish Peninsula or the southern parts of Russia, and lowest in the far north of Europe. At the commencement of the week a well marked depression lay over the Bay of Biscay, but this travelled rapidly to central Europe and disappeared, its place over the central countries being taken by an area of relatively high pressure. By the middle of the week baric minima moving eastwards over the Atlantic on their way to northern Europe caused a brisk decrease of pressure and a great increase of the gradient over the United Kingdom and the adjacent parts of the Continent. Strong winds or gales from between South and West were consequently experienced over the north-western regions very generally during Wednesday and on the eastern and southern shores of the North Sea on Thursday. By the end of the period another cyclonic disturbance of great depth was advancing towards our western coasts. Depressions of relatively little depth were common over the Mediterranean region, causing a good deal of rain and occasional fresh or strong winds. In the northern countries the precipitation was rather frequent but not generally heavy. Temperature changed often; as a whole it was low for the time of year except in the most southern part of our area, where the commencement of the week was extremely warm under the influence of a sirocco type of wind.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 278.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	6·8	− 0·8	14	− 2
STRATHPEFFER SPA	10·1	+ 1·5	20	+ 3
CRATHES	18·4	—	35	—
BALRUDDERY	16·6	—	32	—
EDINBURGH	12·1	+ 3·1	23	+ 6
COCKLE PARK	21·3	—	39	—
NEWCASTLE-on-TYNE	9·0	—	17	—
SALTBURN-by-the-SEA	12·8	—	23	—
YORK	6·8	− 1·0	12	− 2
SKEGNESS	23·4	—	42	—
CROMER	19·7	—	35	—
LOWESTOFT	21·5	—	38	—
DUNMOW	16·2	—	28	—
SHEFFIELD	10·2	—	18	—
WORKSOP	12·2	+ 2·7	22	+ 5
MARGATE	13·3	+ 0·3	23	+ 1
RAMSGATE	14·5	—	25	—
EASTBOURNE	13·5	− 0·3	23	− 1
BRIGHTON	15·7	+ 1·4	27	+ 2
WORTHING	19·3	—	33	—
BOGNOR	22·7	—	39	—
VENTNOR HOSPITAL	19·4	+ 5·9	33	+ 10
BOURNEMOUTH	24·7	—	42	—
MARLBOROUGH	17·8	+ 7·8	31	+ 14
SOUTHPORT	10·4	—	19	—
RHYL	13·3	—	24	—
ABERDOVEY	16·8	—	30	—
ABERYSTWYTH	14·5	—	25	—
TENBY	16·9	+ 3·7	29	+ 6
TORQUAY	23·8	+ 10·1	40	+ 17
NEWQUAY	18·9	+ 3·0	32	+ 5
GUERNSEY	8·3	− 4·6	14	− 8

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration.	Difference from the Mean for the Week.
No. 40, page 236	Scarborough M	—	40	54·6	42·5	48·4	−2·4	45	—	—	—	—	—	—	—	—
,, 41, ,, 242	Scarborough M	—	—	—	—	—	—	—	—	—	—	—	3·5	—	5	—
,, 41, ,, 242	Hillington M	—	—	—	41·6	47·7	−1·7	42	1	—	—	—	—	—	—	—
,, 41, ,, 242	Cullompton M	—	—	—	44·1	50·7	+1·1	61	—	—	—	—	—	—	—	—
,, 42, ,, 248	Shaftesbury M	—	—	48·0	—	41·0	−6·4	17	30	—	—	—	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. Vol. XXII. (New Series.) } No 48. FORTY-EIGHTH WEEK, ENDING SATURDAY, DECEMBER 2ND, 1905. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 284.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	55	18	45·3	34·6	40·0	0 (average)	9	− 4	29	+ 6	1966	− 30	637	− 49
	1. SCOTLAND, EAST	55	15	44·8	34·1	39·5	0 (average)	8	− 6	30	+ 1	2265	− 82	698	− 67
	2. ENGLAND, N.E.	53	31	45·4	36·6	41·0	0 (average)	10	− 6	21	− 1	2714	+136	525	− 73
	3. ENGLAND, EAST	56	30	46·6	38·7	42·7	2 above	19	0	9	−16	3073	+ 98	499	−156
	4. MIDLAND COUNTIES	55	28	46·1	36·2	41·2	1 above	11	− 8	24	− 2	2866	− 53	588	− 96
	5. ENGLAND, SOUTH	56	27	47·6	38·6	43·1	1 above	22	− 4	10	− 7	3112	−180	421	− 53
Principal Grazing Districts.	6. SCOTLAND, WEST	54	27	45·9	38·3	42·1	1 above	16	− 3	10	− 7	2520	+ 6	455	− 61
	7. ENGLAND, N.W.	56	29	47·6	39·5	43·6	1 above	22	+ 1	7	− 9	2716	− 49	395	− 79
	8. ENGLAND, S.W.	55	30	48·8	38·7	43·8	1 above	26	− 3	9	− 3	2977	−119	387	+ 28
	9. IRELAND, NORTH	53	21	47·8	37·6	42·7	1 above	23	+ 2	12	− 4	2619	− 40	389	− 44
	10. IRELAND SOUTH	55	23	50·5	37·5	44·0	0 (average)	33	+ 3	13	0	3085	+ 35	318	− 3
	— CHANNEL ISLANDS	55	37	51·4	43·9	47·7	0 (average)	40	− 4	0	− 3	3587	− 66	61	− 68

Rainfall.

	DISTRICTS. (See p. 284.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	16	4 more	255	+46	46·2	+ 4·9
	1. SCOTLAND, EAST	5	11	3 more	203	+24	27·1	− 1·7
	2. ENGLAND, N.E.	4	9	4 more	162	− 4	19·7	− 3·4
	3. ENGLAND, EAST	4	5	0 (average)	161	− 5	19·3	− 3·1
	4. MIDLAND COUNTIES	5	8	3 more	164	+ 5	21·0	− 4·4
	5. ENGLAND, SOUTH	5	7	1 more	161	+ 4	24·9	− 1·1
Principal Grazing Districts.	6. SCOTLAND, WEST	5	18	4 more	188	+ 2	41·9	− 3·8
	7. ENGLAND, N.W.	5	14	6 more	181	+ 5	29·2	− 2·9
	8. ENGLAND, S.W.	6	10	0 (average)	175	− 7	30·3	− 4·5
	9. IRELAND, NORTH	5	13	4 more	218	+ 7	32·5	− 1·0
	10. IRELAND, SOUTH	5	11	1 more	197	+ 7	31·4	− 5·6
	— CHANNEL ISLANDS	6	7	2 less	200	+18	27·9	− 2·0

Bright Sunshine.

	DISTRICTS. (See p. 284.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	8	+ 2	17	+ 4	1123	+ 20	27	+ 1
	1. SCOTLAND, EAST	10	0	20	0	1336	+ 27	32	+ 1
	2. ENGLAND, N.E.	12	+ 4	23	+ 7	1478	+ 89	35	+ 2
	3. ENGLAND, EAST	11	− 2	20	− 4	1610	+ 45	38	+ 1
	4. MIDLAND COUNTIES	10	− 1	19	− 2	1388	+ 26	33	+ 1
	5. ENGLAND, SOUTH	10	− 1	18	− 2	1562	− 1	37	0
Principal Grazing Districts.	6. SCOTLAND, WEST	9	+ 1	17	+ 1	1468	+124	35	+ 3
	7. ENGLAND, N.W.	12	+ 6	22	+11	1448	+207	34	+ 5
	8. ENGLAND, S.W.	17	+ 4	29	+ 7	1535	− 39	37	− 1
	9. IRELAND, NORTH	10	− 1	19	− 2	1380	+147	33	+ 4
	10. IRELAND, SOUTH	13	0	24	0	1373	− 38	33	− 1
	— CHANNEL ISLANDS	19	+ 4	32	+ 7	1702*	−134	41	− 3

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather during this period was of a very unsettled type over the whole Kingdom, but the rain was more frequent and heavy in the west than in the east. Thunder and lightning were experienced at some Scottish stations on Thursday, and much mist or fog over England on Friday and Saturday.

Temperature was either just equal to the mean or slightly above it. The highest readings were recorded on Sunday in most places, but on Saturday at the western stations. They were remarkably uniform, the values ranging from 56° in England E., S., and N.W., and 55° in many other districts to 53° in Ireland N. and England N.E. The absolute minima occurred generally about the middle of the week, when the thermometer fell as low as 15° in Scotland E., 18° in Scotland N., and 21° in Ireland N. In the other districts the minimum readings varied from 23° in Ireland S. to 31° in England N.E., and to 37° in the Channel Islands.

Rainfall was more than the mean over the Kingdom generally, but only equal to it in England E. and S.W., and less in the Channel Islands.

Bright Sunshine varied a good deal in different parts of the Kingdom, some districts showing an excess and others a deficiency. The percentage of the possible duration ranged from 32 in the Channel Islands and 29 in England S.W. to 18 in England S., and to 17 in Scotland N. and W.

Barometer and Wind. At the commencement of the week the centre of a deep depression lay over the north-west of Ireland. The system, after travelling east-north-eastwards to the east of Scotland, moved north-eastwards to the west of Norway, and finally eastwards to northern Europe. Its presence over our Islands and their vicinity was accompanied by violent gales on our west and south coasts, and by fresh or strong gales in the north and east—at first from the South-Westward and subsequently from West or North-West. The disturbance was followed by a shallow secondary, which during Tuesday moved south-eastwards across England, but during the remainder of the period the depressions only skirted our coasts as they moved north-eastwards on the Atlantic, and the strong South-Westerly and Southerly winds and gales were confined to Ireland and the most western parts of Great Britain.

4273 370 Wy. & S. Ltd. 12 | 05

II.—DATA from which the SUMMARY on page 283 has been calculated.

Nov. 26–Dec. 2, 1905.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head	53	31	45·0	36·9	41·0	0·0	8	20	7	0·92	− 0·05	*	*	*	*
	Stornoway	53	27	46·4	35·1	40·8	+ 0·1	12	28	7	2·20	+ 0·94	9·7	+ 2·3	21	+ 5
	Wick	55	24	46·3	32·7	39·5	− 0·5	12	36	4	0·74	+ 0·05	*	*	*	*
	Lairg Ⓢ	55	18	44·4	32·6	38·5	+ 1·5	7	35	3	0·82	− 0·03	*	*	*	*
	Glencarron Ⓢ	54	23	45·1	35·3	40·2	+ 1·3	9	26	6	3·08	+ 0·82	*	*	*	*
	Fort Augustus Ⓢ	53	20	44·7	35·0	39·9	− 0·1	8	27	4	1·89	+ 0·78	5·8	+ 2·6	12	+ 5
1. SCOTLAND, E.	Nairn	55	22	46·3	32·1	39·2	− 0·2	12	38	4	1·07	+ 0·57	*	*	*	*
	Aberdeen	53	30	45·6	35·4	40·5	+ 0·5	10	26	4	1·10	+ 0·38	12·8	+ 2·2	26	+ 5
	Braemar Ⓢ	50	15	41·2	30·3	35·8	− 0·7	0	43	6	0·95	+ 0·14	*	*	*	*
	Clathick Ⓢ	51	24	44·7	34·5	39·6	+ 0·4	8	28	6	2·04	+ 1·03	*	*	*	*
	Leith	54	33	47·1	38·6	42·9	+ 1·6	21	10	4	0·48	+ 0·03	*	*	*	*
	Marchmont Ⓢ	50	27	43·9	33·6	38·8	+ 0·2	5	31	4	0·64	− 0·10	9·9	+ 0·3	19	+ 1
2. ENGLAND, N.E.	Alnwick Castle	53	31	45·9	34·9	40·4	− 0·1	11	28	5	0·88	+ 0·15	*	*	*	*
	Durham	50	32	44·6	36·3	40·5	+ 0·8	7	22	4	1·20	+ 0·60	13·4	+ 2·7	26	+ 5
	Shields	52	35	46·6	36·3	41·5	+ 0·1	13	24	4	0·49	− 0·05	*	*	*	*
	Scarborough Ⓜ	51	36	45·9	37·7	41·8	+ 0·3	11	18	4	1·44	+ 0·82	12·7	—	24	—
	Spurn Head	51	37	44·7	38·9	41·8	− 0·2	8	13	4	0·70	+ 0·22	*	*	*	*
	Lincoln	52	33	45·0	35·9	40·5	− 1·2	8	24	6	0·99	+ 0·53	*	*	*	*
	Fulbeck (Lincolnshire)	52	32	45·2	36·3	40·8	+ 1·2	9	23	4	0·79	+ 0·34	7·6	—	14	—
3. ENGLAND, E.	Hillington Ⓜ	53	35	45·9	38·0	42·0	+ 2·0	11	11	6	0·58	+ 0·10	9·4	− 1·7	17	− 3
	Yarmouth	53	34	45·9	39·1	42·5	+ 1·0	16	8	4	0·32	− 0·29	*	*	*	*
	Geldeston	55	36	48·3	38·7	43·5	+ 2·1	24	9	5	0·40	− 0·15	12·0	− 0·6	22	− 1
	Cambridge	56	31	47·3	38·3	42·8	+ 2·4	21	10	4	0·70	+ 0·27	8·3	− 3·5	15	− 6
	Felixstowe	51	35	47·1	40·1	43·6	+ 1·8	19	5	3	0·67	—	16·5	—	30	—
	Clacton-on-Sea	51	37	46·0	40·0	43·0	+ 1·2	15	6	3	0·40	—	13·6	—	24	—
	Rothamsted	54	30	46·2	36·1	41·2	+ 0·8	12	24	6	0·77	+ 0·17	9·5	− 2·2	17	− 4
	Shoeburyness	53	36	45·9	39·4	42·7	+ 0·5	16	7	3	0·39	− 0·06	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	50	33	45·3	35·8	40·6	+ 0·8	9	24	4	1·29	+ 0·61	13·8	—	26	—
	Bawtry (Hesley Hall)	50	33	45·1	36·6	40·9	+ 0·8	9	21	5	0·45	− 0·02	*	*	*	*
	Nottingham	53	33	45·4	36·1	40·8	+ 0·2	10	23	5	0·82	+ 0·38	7·5	—	14	—
	Colly Weston (Stamford)	51	33	46·1	35·7	40·9	+ 0·7	11	25	5	1·03	+ 0·50	*	*	*	*
	Cheadle Ⓜ	50	30	44·4	35·5	40·0	+ 0·4	7	25	4	1·33	+ 0·63	*	*	*	*
	Birmingham (Edgbaston)	51	35	45·7	38·1	41·9	+ 0·9	10	16	3	0·71	+ 0·17	13·9	—	25	—
	Shrewsbury	53	31	48·3	39·0	43·7	+ 2·2	25	8	4	0·49	—	*	*	*	*
	Hereford Ⓜ	53	32	47·4	36·1	41·8	+ 0·5	15	25	6	0·49	− 0·07	*	*	*	*
	Cirencester	53	28	46·9	33·1	40·0	− 0·2	14	35	5	0·80	+ 0·13	13·6	+ 2·6	24	+ 5
	Oxford	55	32	46·1	36·1	41·1	− 0·3	11	24	4	0·87	+ 0·34	8·5	− 3·0	15	− 5
5. ENGLAND, S.	Westminster	56	31	48·3	38·3	43·3	+ 1·6	25	10	4	0·57	—	5·4	+ 1·4	10	+ 3
	London (Brixton)	56	32	48·3	37·9	43·1	+ 1·1	25	11	5	0·72	+ 0·23	5·3‡	− 1·2‡	10‡	− 2‡
	Wisley (Surrey)	55	27	47·2	37·8	42·5	− 0·6	21	12	6	0·69	—	11·5	—	20	—
	Swarraton (Alresford) Ⓜ	53	30	46·2	34·6	40·4	− 0·1	12	29	6	0·76	+ 0·06	*	*	*	*
	Tunbridge Wells Ⓜ	53	32	45·8	37·4	41·6	+ 0·1	11	19	4	1·08	—	8·7	—	15	—
	Dungeness	55	34	47·9	41·0	44·5	+ 1·1	22	3	3	0·62	+ 0·08	7·2	—	13	—
	Hastings (St. Leonards)	54	37	48·2	39·4	43·8	+ 0·4	24	7	3	0·65	− 0·07	9·7	− 4·9	17	− 9
	Southampton	54	35	49·4	38·3	43·9	+ 0·6	29	10	4	0·77	+ 0·04	11·5	− 0·9	20	− 2
	Portland Bill	53	42	50·1	43·0	46·6	+ 2·1	32	0	5	0·63	—	*	*	*	*
	Shaftesbury Ⓜ	51	36	45·5	37·7	41·6	+ 1·6	10	18	5	0·74	− 0·03	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	54	27	47·4	38·0	42·7	+ 0·5	22	11	5	2·87	+ 0·82	*	*	*	*
	Glasgow	52	31	45·3	38·7	42·0	+ 1·5	9	9	3	1·05	+ 0·14	4·8	− 9·1	10	0
	Cally Ⓢ	50	30	43·8	36·3	40·1	− 0·5	5	22	6	1·86	+ 0·63	*	*	*	*
	Aspatria	50	30	45·6	38·2	41·9	+ 0·8	10	16	6	1·17	—	9·3	—	18	—
	Douglas (Isle of Man)	51	35	47·3	40·2	43·8	+ 0·4	20	5	6	1·80	+ 0·74	12·7	+ 1·1	24	+ 2
7. ENGLAND, N.W.	Newton Rigg	50	29	44·8	36·1	40·5	+ 1·3	8	23	5	1·22	—	11·0	—	21	—
	Stonyhurst	50	36	45·5	39·2	42·4	+ 1·9	15	8	5	1·29	+ 0·23	10·6	+ 2·5	20	+ 5
	Blackpool Ⓜ	51	33	46·7	38·1	42·4	+ 0·8	19	11	5	1·18	+ 0·43	17·2	+ 9·2	32	+ 17
	Manchester (Prestwich)	51	37	46·4	39·1	42·8	+ 2·2	18	8	5	1·28	+ 0·46	5·0	—	9	—
	Liverpool Obsy. (Bidston)	53	38	47·7	39·7	43·7	+ 1·4	22	6	5	1·07	+ 0·45	15·0	—	28	—
	Chester (Hawarden Bridge)	56	37	49·8	39·4	44·6	+ 1·9	29	7	5	0·75	—	*	*	*	*
	Llandudno Ⓜ	55	41	49·7	42·4	46·1	+ 1·7	29	0	4	1·40	+ 0·66	16·3	+ 6·4	30	+ 12
	Holyhead	51	39	49·0	41·9	45·5	+ 0·5	25	9	6	2·29	+ 1·39	*	*	*	*
	Bettws-y-Coed	53	37	48·9	39·3	44·1	0·0	26	8	6	2·00	—	6·7	—	12	—
8. ENGLAND, S.W.	Llangammarch Wells	50	31	47·2	36·9	42·1	+ 1·9	22	14	6	1·26	—	—	—	—	—
	Pembroke	52	40	50·9	44·3	47·6	+ 1·7	39	0	6	1·24	+ 0·33	15·7	+ 3·4	28	+ 6
	Cardiff	54	30	48·3	35·4	41·9	− 2·1	18	28	6	0·88	—	*	*	*	*
	Clifton	52	34	46·9	38·4	42·7	+ 0·7	20	10	5	0·55	− 0·21	*	*	*	*
	Bath	55	30	48·7	35·1	41·9	− 0·5	19	29	4	0·79	+ 0·11	14·7	—	26	—
	Arlington (N. Devon)	51	38	48·0	39·4	43·7	+ 1·4	23	7	6	0·99	− 0·39	*	*	*	*
	Cullompton Ⓜ	52	31	48·7	34·8	41·8	+ 0·1	19	30	6	0·89	+ 0·04	10·1	− 0·5	18	− 1
	Falmouth	53	41	50·0	43·3	46·7	+ 0·3	33	0	7	0·98	− 0·26	21·7	+ 7·1	37	+ 12
	Plymouth	54	36	50·6	41·0	45·8	+ 0·8	31	3	6	1·21	+ 0·33	18·9	+ 5·9	33	+ 10
9. IRELAND, N.	Malin Head	52	34	47·3	39·9	43·6	+ 0·1	20	6	4	1·42	+ 0·68	*	*	*	*
	Edenfel (Omagh)	52	25	46·3	35·0	40·7	+ 0·8	12	28	5	1·13	+ 0·29	*	*	*	*
	Blacksod Point	53	31	49·7	40·3	45·0	+ 0·5	28	5	7	1·89	+ 0·61	*	*	*	*
	Markree Castle	53	21	48·0	35·3	41·7	+ 0·3	17	28	6	1·74	+ 0·80	9·5	− 1·1	18	− 2
	Armagh	53	27	47·3	36·4	41·9	+ 1·0	15	24	5	0·81	+ 0·14	10·2	− 0·8	19	− 2
	Donaghadee	51	36	47·9	38·4	43·2	+ 0·3	24	10	5	0·84	+ 0·14	*	*	*	*
10. IRELAND, S.	Dublin	55	34	50·0	40·6	45·3	+ 1·6	29	4	4	0·59	+ 0·02	13·8	− 0·6	26	− 1
	Birr Castle	55	23	49·9	34·0	42·0	+ 0·4	22	22	6	0·67	− 0·02	15·5	+ 2·9	28	+ 5
	Kilkenny	53	27	50·1	33·1	41·6	− 0·9	23	37	5	1·05	+ 0·35	*	*	*	*
	Waterford	54	30	50·9	36·4	43·7	+ 0·6	35	16	4	1·07	+ 0·11	*	*	*	*
	Roche's Point	52	33	50·7	39·0	44·9	− 0·8	33	8	7	0·88	− 0·28	*	*	*	*
	Valencia	53	30	51·4	40·4	45·9	− 0·6	34	4	5	1·42	+ 0·05	13·0	+ 0·4	23	+ 1
	Killarney	55	26	51·3	38·6	45·0	+ 0·5	35	10	6	1·66	+ 0·11	*	*	*	*
	Foynes	53	26	49·7	37·7	43·7	+ 0·2	30	12	5	1·10	+ 0·10	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	55	44	52·4	45·4	48·9	+ 0·4	48	0	6	0·47	− 0·43	26·4	+ 11·0	46	+ 19
	Jersey (St. Aubyn's)	55	37	50·4	42·3	46·4	0·0	31	0	7	0·88	− 0·04	16·5	+ 0·9	28	+ 2

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

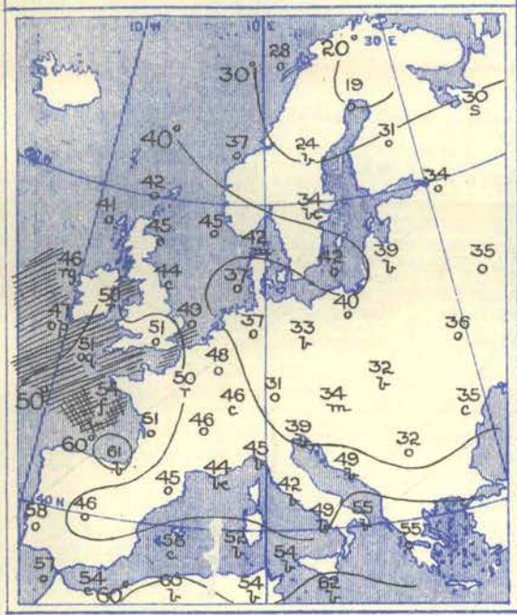
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

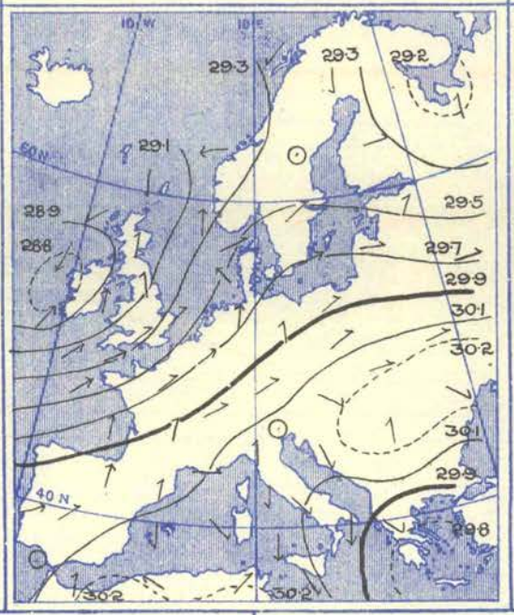
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 26th November, 1905.

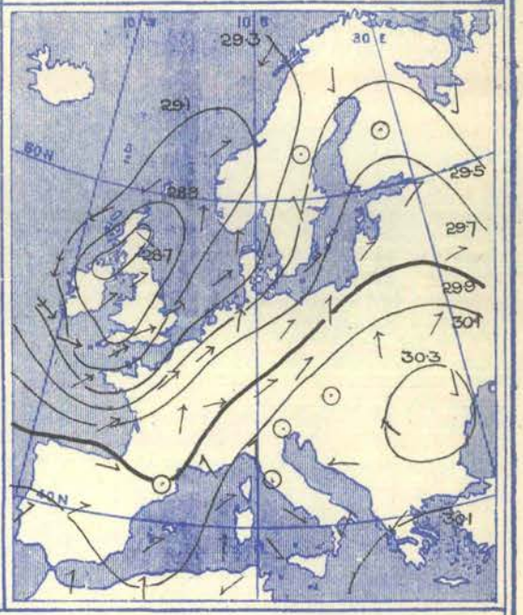
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over Italy, Algeria, and at several stations in central Europe; cloudy or overcast in most other regions, with rain over the United Kingdom and the north of France, and snow at Archangel. Rainy also at Oporto and Faerder. Nearly an inch of rain falling subsequently in the north-east of Scotland and more than an inch at Malin Head. Considerable quantities in Germany, Scandinavia, and France; as much as 1·10 in. at Gap.

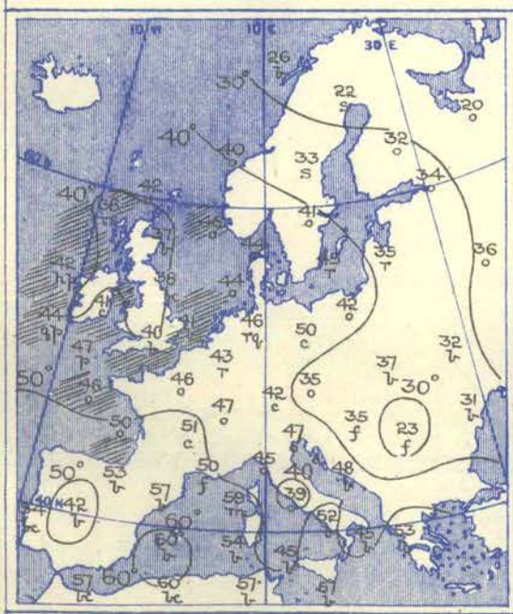
Temperature rising rapidly in central and eastern England; as much as 20° in London and 25° at Bath. Readings at 8 a.m. as high as 62° at Malta and 60° at Algiers, but below 55° at many other Mediterranean stations. Locally high (61°) in the south-west of France; below 40° over the Continent generally and below the freezing point in the centre and north. Lowest value, 19° at Haparanda. Rising later to 56° in London and at Margate, to above 60° in the extreme south of Europe, and to 70° or above in Algeria. Maxima less than 45° at Turin and over Austria.

Wind at 8 a.m. showing an extensive cyclonic circulation around Ireland; Southerly current over our Islands moderate to strong generally and blowing a gale at Holyhead; moderate to strong on the coasts of France, Denmark, and Scandinavia. Light and rather variable airs prevailing over the southern countries. Increasing greatly in force over our Islands and their neighbourhood during day, and blowing a strong to a whole gale in most parts of Ireland and England during evening or night.

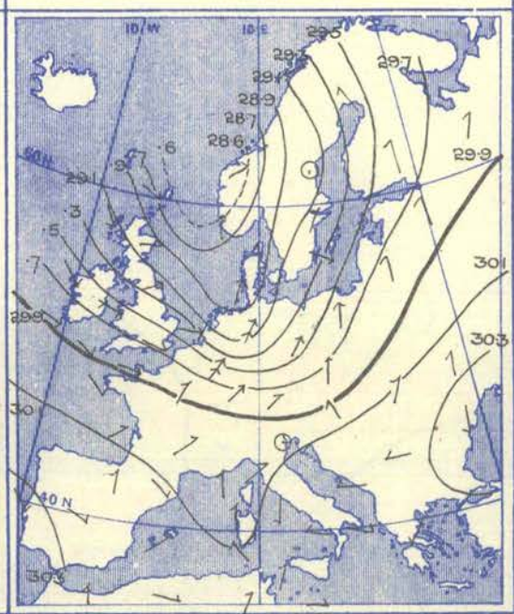
Barometer at 8 a.m. ranging from 30·2 ins. and above over Transylvania and the south of Russia and also over Algeria, to less than 29·2 ins. in a depression over the White Sea, and to below 28·8 ins. in a very deep disturbance having its centre over the north-west of Ireland. Irish depression moving north-eastwards during day and becoming more elongated in form. Lowest reading at 6 p.m., 28·66 ins. at Aberdeen; only 28·78 ins. at Pembroke. Gradients for North-Westerly winds growing unusually steep on our western coasts, and those for South-Westerly equally steep over France, the south of England, and the Netherlands.

Monday, 27th November, 1905.

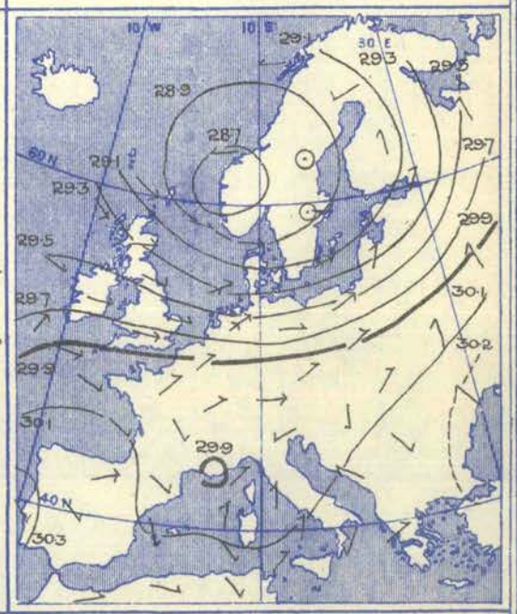
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in almost all parts of the United Kingdom and southern Europe, but showery on our extreme north and west coasts. Overcast in most Continental regions, with rain in Holland, the nearer parts of Germany, and at some Baltic stations, and snow over the Gulf of Bothnia. Considerable or large amounts of rain experienced later in the north-west of our Islands, as much as 1·17 in. at Holyhead, and various quantities in different localities on the Continent—rather more than an inch at Limoges.

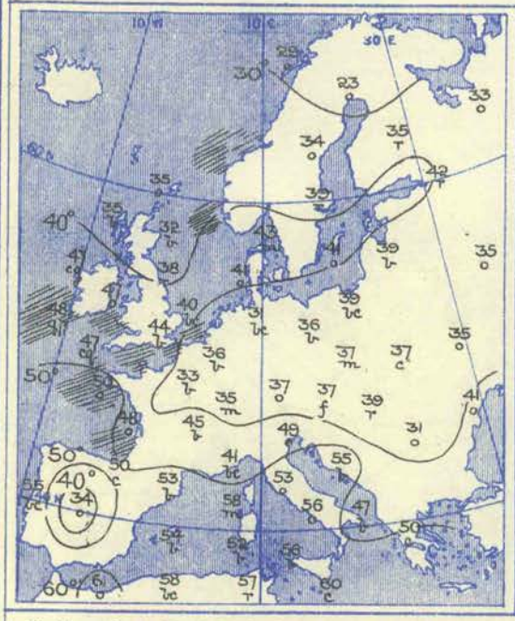
Temperature in morning fallen decidedly over this country and the west of France, changed irregularly elsewhere. As high as 60° at Algiers and above 55° at several other southern stations. Below the freezing point in the extreme north of our area, and as low as 20° at Archangel. A little above or slightly below 40° over Europe as a whole. Maxima during afternoon, 70° at Nemours and Algiers, 66° at Malta, and above 60° at some other Mediterranean stations. Thermometer remaining below 45° in many parts of our Islands and below 32° in the extreme north of Europe.

Wind at 8 a.m. strong to a gale from the Westward or North-Westward over the United Kingdom and its vicinity and from South-West or South over Germany and the Baltic; a moderate gale from East-North-East prevailing at Bodö. Light and rather variable over the Mediterranean. Decreasing in strength over our Islands later, but increasing over the northern half of the Continent. Veering to South-South-West by evening and blowing briskly in the south-west of Ireland.

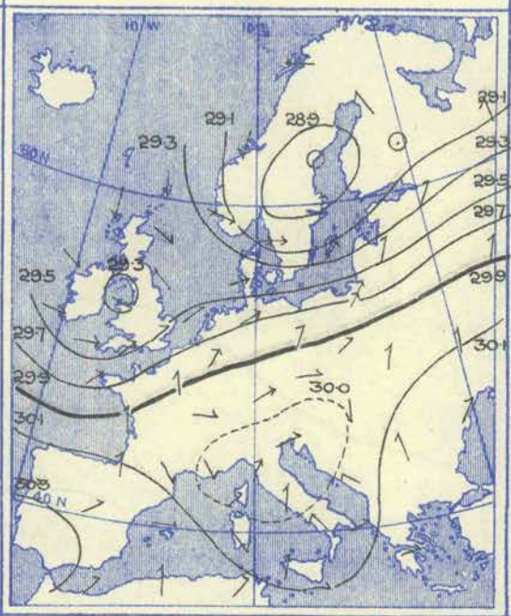
Barometer in morning above 30·3 ins. in both the south-east and the south-west of our area and below 28·6 ins. off the west coast of Norway. Gradients moderate or slight in the south, but very steep generally. Northern depression travelling eastwards during day and gradients increasing over the northern half of the Continent. Baric rise over Great Britain rather decided, but a fresh fall commencing in Ireland by the afternoon.

Tuesday, 28th November, 1905.

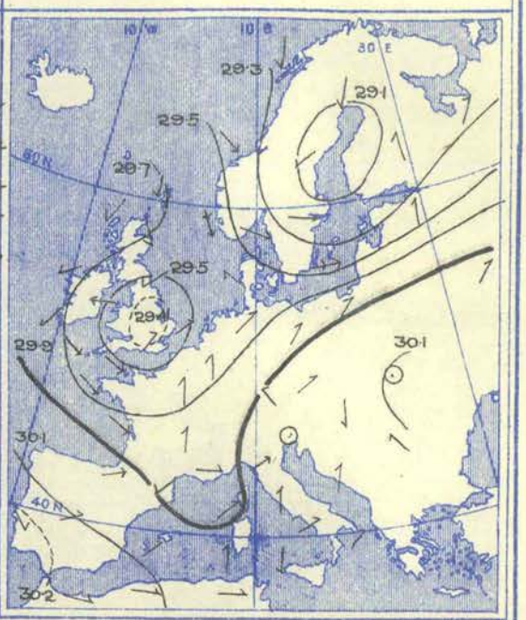
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine in Scotland, on our south-east coasts, in most parts of southern, and at many stations in central Europe; cloudy or dull in most other localities, with rain at La Calle, Stockholm, St. Petersburg, Kuopio, and Christiansund, as well as in various parts of England and Ireland. Rain becoming rather general later over the United Kingdom and France and also in the north of Italy.

Temperature in morning below 32° at some Scotch stations and as low as 23° at Haparanda. Below 40° over Europe as a whole, but above 50° in the far south and 60° at Malta, 61° at Algiers. Maxima during day, 70° at Palermo, 68° at Tunis, and above 60° in a few other southern localities. Below 50° at nearly all the home stations and over central Europe, and less than 32° in the extreme north of Scandinavia.

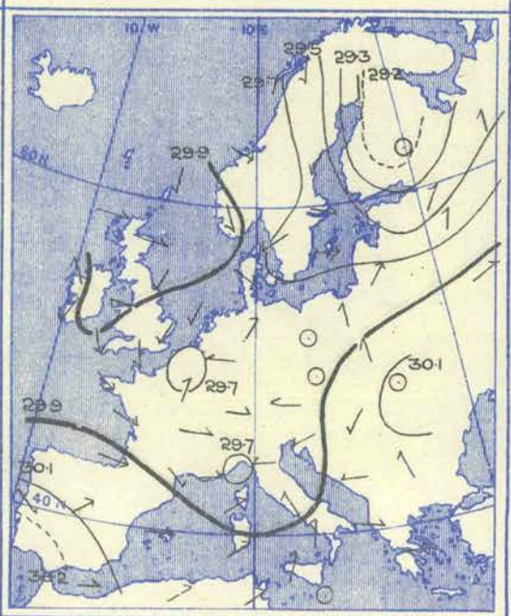
Wind in morning showing three distinct cyclonic circulations—one over Scandinavia and its vicinity, another over these Islands, and the third in the south of Europe. Westerly winds strong to a gale over the south of Scandinavia, Denmark, the Baltic, and North Germany; not much force elsewhere, but strong winds or moderate gales from between West and South prevailing over the south of our Islands and the north of France. Wind becoming Northerly or North-Easterly by evening in nearly all parts of this country.

Barometer at 8 a.m. ranging from 30·3 ins. over the south-west of Spain and above 30·2 ins. over the south-east of Russia, to below 30·0 ins. in a shallow depression centred over Italy, to below 29·3 ins. in a smaller but deeper disturbance over the Irish Sea, and to less than 28·9 ins. in a large system over Scandinavia. Latter moving eastwards and becoming less deep during day, and that over the Irish Sea travelling south-eastwards to the south-east of England. Italian disturbance dispersing. Gradients decreasing generally, but increasing over the north and north-west of our Islands.

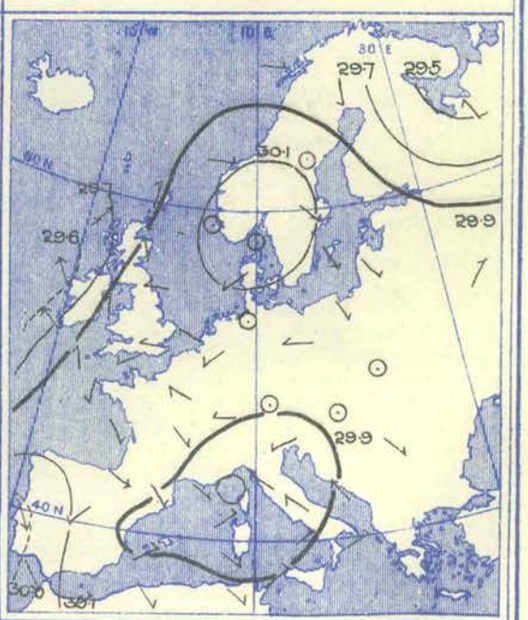
Wednesday, 29th November, 1905.

Temperature and Weather. 8 a.m.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in Ireland and Scotland and in many parts of southern and central Europe; cloudy or quite overcast over our area generally, with rain in the Riviera and the north of Italy, drizzling showers in London, and either rain or snow in various places in the north of Russia and Finland. Fog prevailing in Austria. Heavy rain later in the northern half of Italy and considerable or large amounts in the west and north-west of our Islands. Thunderstorms and heavy rain experienced at some Algerian stations.

Temperature fallen as a whole, but risen in a few localities. Readings in morning ranging from between 50° and 59° in the extreme south of our area, to below 40° generally, and to below the freezing point in several places. Lowest readings, 26° at Munich, 25° at Birr Castle, 24° at Nairn, and 23° in the far north of Sweden. Frost continuing all day in the latter region, but thermometer rising to between 40° and 50° over Europe as a whole, and to above 50° in the south. Highest maxima, 67° at Palermo and 65° at Malta.

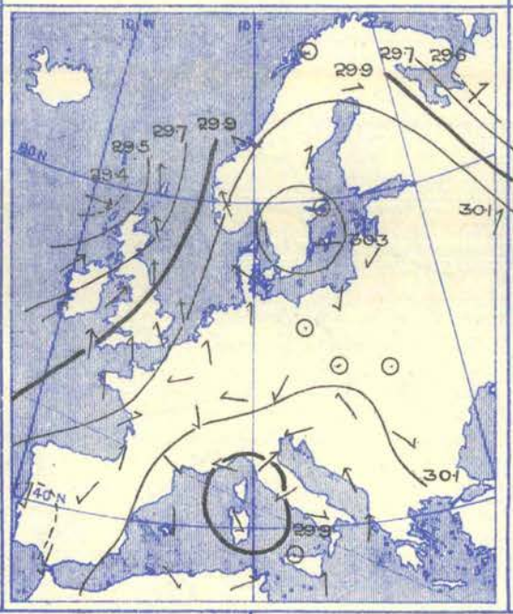
Wind at 8 a.m. showing several complete or partial cyclonic circulations of moderate to fresh breezes over our area generally and feeble anticyclonic airs over the southern half of Russia. Backing to the Southward by the afternoon in the west and north-west of our Islands and increasing to a fresh or strong breeze. A gale experienced during evening or night over the west and north of these Islands generally.

Barometer in morning as high as 30·2 ins. in the extreme south-west of the Spanish Peninsula and above 30·1 ins. in Galicia. Below 29·7 ins. in a depression over the north-east of France and in a smaller minimum over the Gulf of Genoa, and below 29·2 ins. in another system over Finland. Relatively high over the northern and western districts of our Islands. Gradients slight except over the Baltic and the adjacent portion of Russia. Pressure giving way very briskly later on the west coasts of these Islands, and gradients becoming steep over the west and north of the country generally.

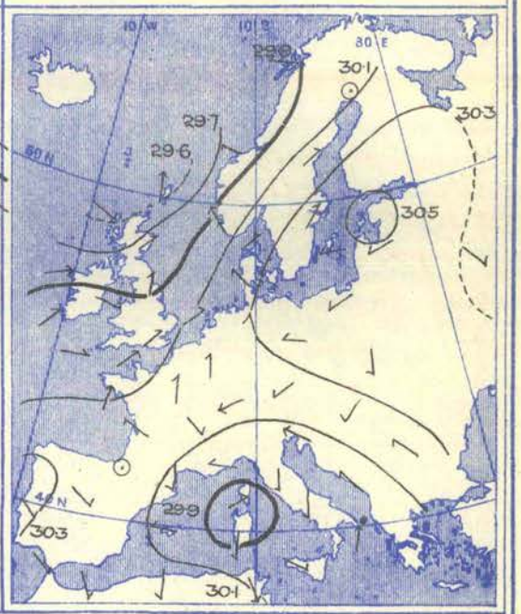
Thursday, 30th November, 1905.

Temperature and Weather. 8 a.m.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the greater part of Denmark and Scandinavia and in the south of Spain. Overcast or very cloudy in most other regions; rain falling in several parts of our Islands, at Turin, and Oran, and snow at Archangel. Much fog over France, the Low Counties, and throughout central Europe, as well as at Oporto. Rain falling later throughout our Islands and the west of France, as well as in the south-west of Norway, the north of Italy, and at Lesina. As much as 0·87 in. at the latter station.

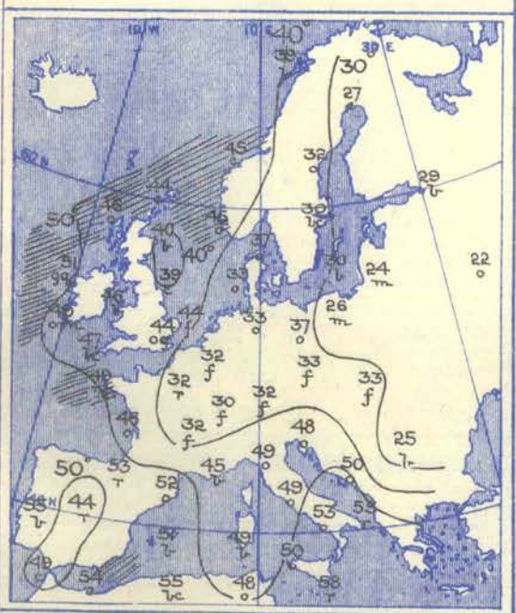
Temperature risen very quickly in Ireland and Scotland, fallen over Europe as a whole, very briskly in Sweden. Readings in morning as high as 59° at Malta and above 50° in the south generally; below the freezing point in various Continental localities and only 6° above zero at Haparanda. Rising later to about 50° on our own western coasts and in the west and south of France, to above 60° in the far south of our area, and to 69° at Malta. Frost continuing all day in the north of Scandinavia and thermometer only touching 32° at Breslau.

Wind in morning moderate or fresh to strong from the Southward over the United Kingdom and blowing a gale from that quarter in the west of Norway. A complete cyclonic circulation of light winds prevailing over the western half of the Mediterranean and an anticyclonic movement over northern Europe. No change of a general character later, but wind increasing to a whole gale from South-South-East at Skudesnaes.

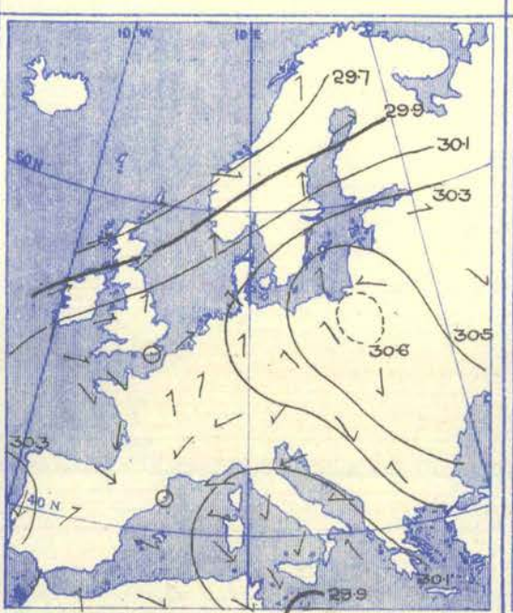
Barometer at 8 a.m. highest, 30·3 ins. and upwards over the south of Sweden and above 30·2 ins. over the extreme south-west of our area. Lowest, below 29·4 ins. in a depression off our north-west coasts and less than 29·9 ins. in a shallow system centred over Corsica and Sardinia. Gradients steep or rather so over the upper portion of the North Sea and the west of Norway. Northern disturbance travelling away north-eastwards later and a secondary system moving eastwards over the south of England. Pressure increasing within the anticyclonic regions.

Friday, 1st December, 1905.

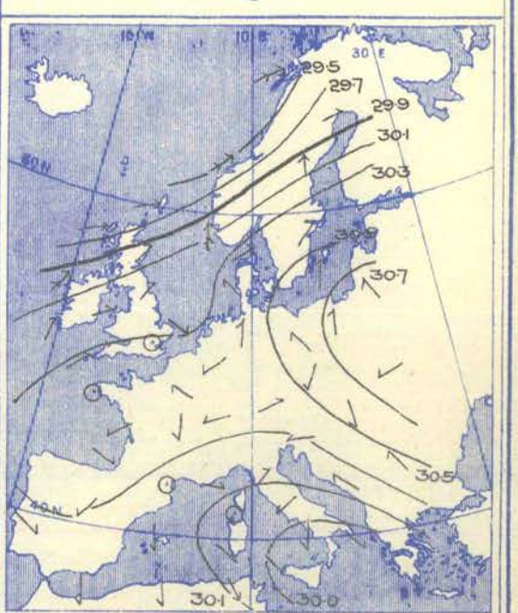
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in Portugal, the Riviera, and on various parts of our western and northern coasts. Overcast or very cloudy over our area generally, and a good deal of fog prevailing over England, Holland, and Belgium. Rain falling at many French stations and in some parts of central Europe, and also at Madrid and in various Italian localities. Considerable quantities of rain falling later in Algeria, Malta, and Sicily, and also at Stornoway and Christiansund.

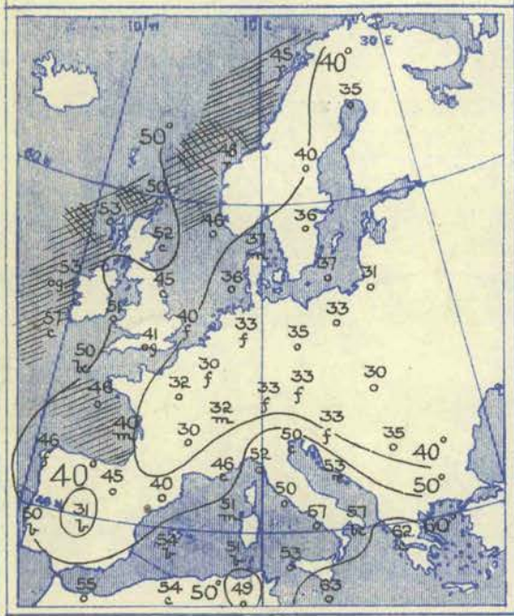
Temperature risen very quickly over Scandinavia, fallen in nearly all other regions. Readings in morning ranging from 58° at Malta and 55° at Lisbon and Brindisi, to less than 40° over Europe as a whole, and to below 32° in several regions. Lowest readings, 22° at Moscow, 24° at Memel, and 25° at Hermanstadt. Rising to 50° or above during day or evening in Ireland and Scotland, but remaining below 40° in many parts of England, France, Germany, and Austria. Thermometer rising to 69° at Naples, 68° at Athens, and above 60° at some other extreme southern stations.

Wind in morning South-Westerly in all the north-western regions of our area and fresh or strong in force in places. Cyclonic circulations shown over France and Italy and an anticyclonic movement over Russia. Increasing to a gale from South-West later on our west and north-west coasts and along the coast of Norway, but little change occurring elsewhere.

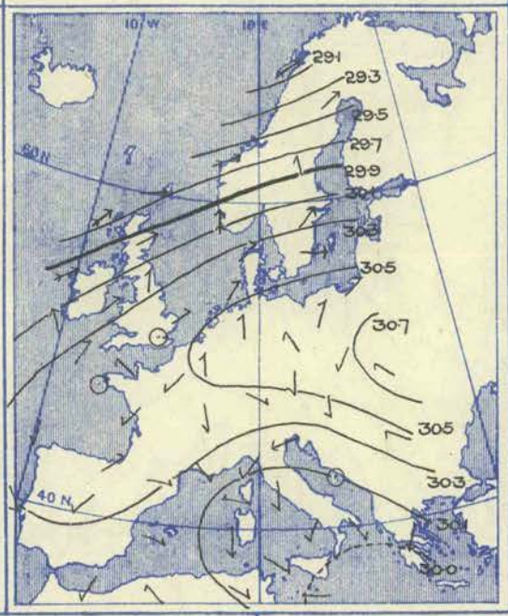
Barometer at 8 a.m. as high as 30·6 ins. over East Prussia and the adjacent portion of Russia, and below 29·7 ins. in a very extensive disturbance over the north-eastern part of the Atlantic. Relatively low in an elongated depression over France and in another system over Italy. Pressure decreasing decidedly in the extreme north-west of our area during day, and gradients growing very steep over Scotland and Scandinavia and the northern part of the North Sea. No change of importance elsewhere.

Saturday, 2nd December, 1905.

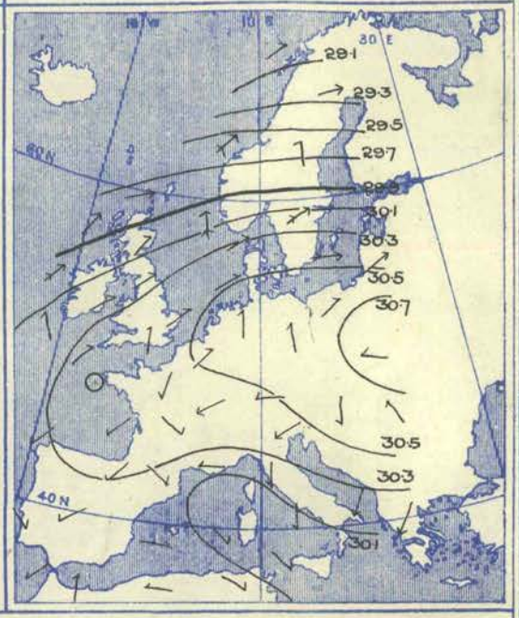
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



6 p.m.



Weather at 8 a.m. very cloudy or quite overcast except over the Spanish Peninsula and in a few other localities in the south of Europe. Much fog or mist over England and the central countries of the Continent, as well as at Corunna and Limoges. Rain falling along the west coast of Norway. Two inches of rain falling at Malta later and about an inch and three quarters at Christiansund, and heavy amounts in the Hebrides and in the south of France.

Temperature risen over the major portion of this country and in Scandinavia, fallen in most other regions. Readings at 8 a.m., 50° or above on our own western and northern coasts and at most Mediterranean stations, and 63° and 62° respectively at Malta and Patras. Below 32° at Madrid and at a few other stations on the Continent; lowest value, 26° at Aix-la-Chapelle. Rising during day to 55° at some of our own western and northern stations and in the south of France, to a few degrees higher in Italy and the Spanish Peninsula, and to 65° in places.

Wind in morning strong to a gale from the South-Westward on our western and northern coasts and over Scandinavia, and light from some Easterly or Northerly point in most of the central and southern regions of Europe. A moderate North-Easterly gale prevailing at Athens. No change of importance taking place later.

Barometer at 8 a.m. above 30·7 ins over the south of Russia and above 30·4 ins. in a band of relatively high pressure extending from the north of Spain to the Baltic. Below 30·0 ins. over the central part of the Mediterranean, and as low as 29·1 ins. off the north-west of Norway. Gredients steep over the north of our Islands and very steep over Norway and Sweden and the upper portion of the North Sea. Pressure increasing somewhat over our Islands and the North Sea during day, but scarcely any change occurring in the general distribution.

IV.—GENERAL NOTES, etc.

During the earlier part of the week pressure was highest over the south-eastern portion of our area and relatively high over the Spanish Peninsula, but it subsequently became highest over the Baltic and the surrounding regions. Depressions of little intensity were rather numerous over the Mediterranean, while the larger systems passed over our Islands or the adjacent portion of the Atlantic. A disturbance that travelled north-eastwards across this country on Sunday and afterwards eastwards across Scandinavia was of great depth and its passage was accompanied by strong winds or gales from varying directions throughout the United Kingdom and its vicinity. On several parts of our north-west and south-west coasts the force of a whole gale was attained. Gales of about equal severity were subsequently experienced over Scandinavia and the region of the Baltic as the depression traversed that neighbourhood. Towards the end of the period the chief storm centres moved in a north-easterly direction outside our west and north coasts and the strong winds and gales were confined to those districts and Scandinavia. The changes in temperature were frequent and considerable over our Islands and in many other parts of our area, but, except in the far north, there was no intense frost. Maxima of 60° and upwards were experienced on the shores of the Mediterranean, but over the central countries of Europe the thermometer rarely exceeded 40°.

Rain fell frequently in the north-west of our area and occasionally in the south, while over the more northern and north-eastern regions snow was sometimes reported.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 284.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	7·1	− 6·1	15	0
STRATHPEFFER SPA	10·7	+ 2·5	22	+ 5
CRATHES	10·0	—	20	—
BALRUDDERY	10·3	—	21	—
EDINBURGH	6·0	− 1·8	12	− 4
COCKLE PARK	16·2	—	31	—
NEWCASTLE-on-TYNE	8·6	—	17	—
SALTBURN-by-the-SEA	13·8	—	26	—
YORK	12·2	+ 4·9	23	+ 9
SKEGNESS	7·8	—	14	—
CROMER	11·5	—	21	—
LOWESTOFT	12·2	—	22	—
DUNMOW	—	—	—	—
SHEFFIELD	9·2	—	17	—
WORKSOP	6·4	− 2·3	12	− 4
MARGATE	12·4	0·0	22	0
RAMSGATE	13·5	—	24	—
EASTBOURNE	6·9	− 6·5	12	− 11
BRIGHTON	12·3	− 1·3	22	− 2
WORTHING	10·8	—	19	—
BOGNOR	12·7	—	22	—
VENTNOR HOSPITAL	13·8	+ 0·9	24	+ 2
BOURNEMOUTH	14·3	—	25	—
MARLBOROUGH	12·0	+ 2·4	21	+ 4
SOUTHPORT	14·3	—	27	—
RHYL	15·4	—	29	—
ABERDOVEY	14·4	—	26	—
ABERYSTWYTH	16·5	—	30	—
TENBY	20·2	+ 7·8	36	+ 14
TORQUAY	17·9	+ 4·7	31	+ 8
NEWQUAY	18·8	+ 4·2	33	+ 7
GUERNSEY	13·2	+ 0·9	23	+ 2

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 43, page 254	Stornoway	—	—	—	—	—	—	—	—	—	0·78	−0·42	—	—	—	—
,, 43, ,, 254	Malin Head	—	—	—	—	—	—	—	—	6	0·76	+0·06	—	—	—	—
,, 43, ,, 254	Markree	—	—	—	—	—	—	—	—	—	—	—	29·9	+11·7	44	+ 17
,, 44, ,, 260	Hillington	—	—	—	39·5	46·6	+1·3	43	7	—	—	—	—	—	—	—
,, 44, ,, 260	Malin Head	—	—	—	—	—	—	—	—	—	1·22	+0·52	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No 49. FORTY-NINTH WEEK, ENDING SATURDAY, DECEMBER 9TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 290.)	Observed during the Week. Highest.	Observed during the Week. Lowest.	Averages of Daily Maxima.	Averages of Daily Minima.	Averages of Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	55	33	47·5	39·5	43·7	5 above	22	+11	7	−19	1988	− 19	644	− 68
	1. SCOTLAND, EAST	55	32	48·4	40·6	44·6	6 above	24	+13	4	−29	2289	− 69	702	− 96
	2. ENGLAND, N.E.	55	28	47·7	38·4	43·2	3 above	24	+11	10	−17	2738	+147	535	− 90
	3. ENGLAND, EAST	57	28	46·5	36·5	41·7	2 above	13	− 2	24	− 6	3086	+ 96	523	−162
	4. MIDLAND COUNTIES	57	27	47·6	36·5	42·3	3 above	25	+10	15	−16	2891	− 43	603	−112
	5. ENGLAND, SOUTH	57	28	48·1	39·3	43·9	2 above	25	+ 4	8	−13	3137	−176	429	− 66
Principal Grazing Districts.	6. SCOTLAND, WEST	54	37	49·1	43·0	46·2	5 above	29	+13	0	−20	2549	+ 19	455	− 81
	7. ENGLAND, N.W.	55	35	49·4	42·3	46·0	4 above	28	+11	0	−20	2744	− 38	395	− 99
	8. ENGLAND, S.W.	55	24	49·7	39·5	44·8	2 above	30	+ 5	7	− 7	3007	−114	394	+ 21
	9. IRELAND, NORTH	54	31	49·8	41·9	46·0	4 above	28	+10	0	−19	2647	− 30	389	− 63
	10. IRELAND SOUTH	56	31	51·6	43·3	47·6	4 above	39	+12	0	−15	3124	+ 47	318	− 18
	— CHANNEL ISLANDS	55	36	51·2	44·1	47·8	1 above	41	+ 1	0	− 3	3628	− 65	61	− 71

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 290.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	22	9 more	262	+48	48·4	+ 5·9	5	− 1	12	− 1	1125	+ 19	26	+ 1
	1. SCOTLAND, EAST	5	8	1 more	208	+25	27·9	− 1·6	18	+ 9	37	+18	1354	+ 35	32	+ 1
	2. ENGLAND, N.E.	3	1	4 less	165	− 5	19·8	− 3·9	18	+ 8	34	+15	1496	+ 97	35	+ 2
	3. ENGLAND, EAST	5	4	1 less	166	− 4	19·7	− 3·3	12	+ 1	22	+ 2	1621*	+ 47	38	+ 1
	4. MIDLAND COUNTIES	4	3	3 less	168	+ 6	21·3	− 4·7	15	+ 2	28	+ 4	1403	+ 28	33	+ 1
	5. ENGLAND, SOUTH	5	5	2 less	165*	+ 5	25·4	− 1·2	11	0	19	0	1573	− 2	37	0
Principal Grazing Districts.	6. SCOTLAND, WEST	6	13	0 (average)	194	+ 4	43·2	− 3·8	11	+ 4	22	+ 7	1479	+127	35	+ 3
	7. ENGLAND, N.W.	4	4	4 less	185	+ 5	29·6	− 3·3	18	+12	35	+24	1466	+220	34	+ 5
	8. ENGLAND, S.W.	4	10	0 (average)	179	− 3	31·3	− 4·5	14	+ 1	25	+ 2	1549	− 38	37	− 1
	9. IRELAND, NORTH	6	9	0 (average)	224	+ 8	33·4	− 0·9	17	+ 8	33	+15	1397	+154	33	+ 4
	10. IRELAND, SOUTH	5	5	5 less	202	+ 8	31·9	− 6·1	16	+ 4	31	+ 8	1389	− 34	33	− 1
	— CHANNEL ISLANDS	5	5	4 less	205	+18	28·4	− 2·4	9	− 5	16	− 8	1711	−138	40	− 3

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather during this week was mild and unsettled. Rain fell on several days, but the amounts were slight except in the extreme north and north-west. Thunderstorms were experienced in several parts of Scotland on Friday.

Temperature was above the mean, the excess ranging from 1° in the Channel Islands and 2° in the south-west, south, and east of England, to 4° in Ireland and England N.W., and to 5° or 6° in Scotland. The highest of the maxima were generally recorded on Thursday, and ranged from 57° in England E., the Midland Counties, and England S., to 55° in several other districts, and to 54° in Scotland W. and Ireland N. The lowest of the minima, which were registered during the earlier half of the week, ranged from 24° in England S.W. and 27° in the Midland Counties, to 35° in England N.W., 36° in the Channel Islands, and 37° in Scotland W.

Rainfall greatly exceeded the mean in Scotland N. and slightly in Scotland E., while it just equalled the normal in Scotland W., Ireland N., and England S.W. In all other districts there was a deficit.

Bright Sunshine was in excess of the mean over the Kingdom generally, but deficient in the Channel Islands and Scotland N., and only equal to it in England S. The percentage of the possible duration ranged from 37 in Scotland E. and 35 in England N.W., to 19 in England S., 16 in the Channel Islands, and to 12 in Scotland N.

Barometer and Wind. A south-westerly type of pressure distribution prevailed, the barometer being high over Germany, France, and the Bay of Biscay, while large cyclonic disturbances moved north-eastwards on the Atlantic, skirting our western and northern coasts. Gradients were often steep, especially in Ireland, Wales, and Scotland, and South-Westerly gales or very strong winds were very common in those regions. Towards the end of the period the conditions became more Westerly, and on Saturday a brisk rise of the barometer taking place along our west coasts in the rear of some small secondary depressions passing across England, the isobars assumed a north-westerly trend, and winds from that quarter consequently set in very generally.

4293 370 Wy. & S. Ltd. 12 | 05

II.—DATA from which the SUMMARY on page 289 has been calculated.

Districts. Dec. 3-9, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head	49	35	46·3	40·4	43·5	+ 3·0	17	4	7	1·24	+ 0·24	*	*	*	*
	Stornoway	51	36	47·6	41·0	44·4	+ 4·0	21	3	7	2·41	+ 1·14	5·8	- 0·9	13	- 2
	Wick	55	35	47·3	38·6	43·1	+ 3·8	22	10	7	0·63	- 0·08	*	*	*	*
	Lairg Ⓢ	53	33	46·8	38·3	42·7	+ 6·5	20	10	7	1·32	+ 0·45	*	*	*	*
	Glencarron Ⓢ	52	35	48·3	38·6	43·6	+ 5·5	25	10	7	4·42	+ 2·15	*	*	*	*
	Fort Augustus Ⓢ	53	35	48·9	40·2	44·7	+ 5·2	26	5	7	2·92	+ 1·76	3·8	+ 1·2	8	+ 3
1. SCOTLAND, E.	Nairn	54	36	48·3	41·0	44·8	+ 6·1	24	3	7	0·75	+ 0·25	*	*	*	*
	Aberdeen	52	37	48·1	41·9	45·1	+ 5·9	22	0	2	0·08	- 0·66	23·5	+ 13·8	50	+ 29
	Braemar Ⓢ	51	34	45·2	38·0	41·7	+ 5·9	9	17	6	1·38	+ 0·60	*	*	*	*
	Clathick Ⓢ	52	34	48·8	40·0	44·6	+ 6·1	27	6	7	2·21	+ 1·22	*	*	*	*
	Leith	55	38	50·7	44·3	47·6	+ 7·0	39	0	5	0·38	- 0·07	*	*	*	*
	Marchmont Ⓢ	51	32	49·0	38·1	43·8	+ 5·9	29	11	1	0·05	- 0·67	16·3	+ 7·9	33	+ 16
2. ENGLAND, N.E.	Alnwick Castle	54	37	49·6	41·1	45·5	+ 5·8	28	3	3	0·14	- 0·58	*	*	*	*
	Durham	51	37	48·1	39·8	44·1	+ 5·1	24	6	1	0·11	- 0·49	21·0	+ 10·7	41	+ 21
	Shields	53	37	50·1	40·1	45·3	+ 5·0	31	5	2	0·02	- 0·53	*	*	*	*
	Scarborough Ⓜ	52	35	47·3	38·6	43·1	+ 2·5	22	10	2	0·05	- 0·58	15·6	—	31	—
	Spurn Head	52	33	45·3	37·1	41·4	+ 0·5	9	21	3	0·09	- 0·38	*	*	*	*
	Lincoln	55	29	47·4	35·8	41·8	+ 0·9	15	27	4	0·18	- 0·28	*	*	*	*
	Fulbeck (Lincolnshire)	54	28	45·9	36·1	41·2	+ 2·6	11	25	5	0·26	- 0·20	13·1	—	25	—
3. ENGLAND, E.	Hillington Ⓜ	54	33	44·6	35·5	40·2	+ 1·1	7	26	6	0·55	- 0·02	12·5	+ 2·1	24	+ 4
	Yarmouth	55	30	45·7	36·1	41·1	+ 0·8	10	25	5	0·41	- 0·18	*	*	*	*
	Geldeston	57	28	46·8	35·4	41·3	+ 1·1	13	28	5	0·51	- 0·03	14·4	+ 2·3	27	+ 4
	Cambridge	57	34	46·6	36·0	41·5	+ 1·8	13	26	4	0·42	+ 0·01	13·6	+ 3·1	25	+ 6
	Felixstowe	51	32	46·9	37·5	42·4	+ 1·5	22	13	5	0·50	—	12·0	—	22	—
	Clacton-on-Sea	53	32	46·7	37·7	42·4	+ 1·7	21	12	4	0·29	—	9·1	—	17	—
	Rothamsted	55	32	47·0	35·2	41·3	+ 1·6	14	29	6	0·59	+ 0·02	8·5	- 2·5	16	- 5
	Shoeburyness	55	30	48·0	38·6	43·5	+ 2·3	25	10	3	0·27	- 0·17	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	53	35	48·6	39·3	44·1	+ 5·1	26	8	3	0·13	- 0·58	19·8	—	38	—
	Bawtry (Hesley Hall)	54	32	47·9	37·6	43·0	+ 3·6	25	12	2	0·03	- 0·44	*	*	*	*
	Nottingham	55	30	47·1	36·6	42·1	+ 2·3	23	15	5	0·14	- 0·31	11·9	—	23	—
	Colly Weston (Stamford)	55	28	46·3	34·9	40·8	+ 1·6	12	29	5	0·21	- 0·29	*	*	*	*
	Cheadle Ⓜ	53	29	45·7	34·9	40·5	+ 1·7	10	29	5	0·33	- 0·39	*	*	*	*
	Birmingham (Edgbaston)	54	28	47·2	36·8	42·2	+ 2·0	23	15	6	0·36	- 0·18	19·8	—	37	—
	Shrewsbury	55	31	48·9	36·9	43·1	+ 2·2	29	14	3	0·19	—	*	*	*	*
	Hereford Ⓜ	57	27	49·5	36·9	43·5	+ 3·1	32	14	5	0·20	- 0·35	*	*	*	*
	Cirencester	53	29	47·6	34·2	41·2	+ 1·8	16	33	4	0·44	- 0·21	11·5	+ 1·1	21	+ 2
	Oxford	54	30	47·3	36·9	42·3	+ 2·1	24	14	5	0·53	+ 0·03	9·9	- 0·6	18	- 1
	Westminster	58	34	49·0	39·6	44·5	+ 3·6	28	7	4	0·34	—	8·2	+ 4·8	15	+ 9
5. ENGLAND, S.	London (Brixton)	56	36	48·6	40·0	44·5	+ 3·6	26	6	4	0·33	- 0·14	5·9‡	+ 0·1‡	11‡	0‡
	Wisley (Surrey)	57	30	48·4	38·6	43·7	+ 1·5	26	10	6	0·31	—	11·3	—	21	—
	Swarraton (Alresford) Ⓜ	55	28	47·7	36·1	42·1	+ 2·3	25	17	5	0·49	- 0·21	*	*	*	*
	Tunbridge Wells Ⓜ	53	33	47·0	37·6	42·5	+ 1·9	22	12	6	0·46	—	11·8	—	22	—
	Dungeness	52	36	47·9	40·6	44·4	+ 1·9	23	4	5	0·42	- 0·10	9·0	—	16	—
	Hastings (St. Leonards)	53	37	47·6	39·9	43·9	+ 1·5	22	6	6	0·71	+ 0·03	12·0	- 2·2	22	- 4
	Southampton	57	34	49·6	39·5	44·8	+ 2·4	30	7	5	0·48	- 0·25	12·1	+ 0·1	22	0
	Portland Bill	53	36	49·4	43·1	46·4	+ 3·0	31	0	5	0·33	—	*	*	*	*
	Shaftesbury Ⓜ	54	33	46·8	38·1	42·6	+ 3·7	21	11	7	0·55	- 0·20	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	54	37	50·6	43·0	47·0	+ 5·3	35	0	7	3·32	+ 1·21	*	*	*	*
	Glasgow	51	39	48·4	42·6	45·6	+ 5·8	25	0	6	1·14	+ 0·20	3·4	- 1·1	7	- 2
	Cally Ⓢ	50	38	47·8	41·7	44·9	+ 4·7	22	1	6	1·09	- 0·11	*	*	*	*
	Aspatria	51	39	48·4	43·1	45·9	+ 5·3	27	0	5	0·58	—	10·7	—	21	—
	Douglas (Isle of Man)	52	40	50·1	44·7	47·5	+ 4·7	39	0	4	0·52	- 0·55	19·2	+ 8·5	38	+ 17
7. ENGLAND, N.W.	Newton Rigg	54	37	48·5	41·0	44·9	+ 6·0	25	3	4	0·39	—	15·3	—	30	—
	Stonyhurst	50	38	46·9	41·2	44·2	+ 4·4	19	2	6	0·54	- 0·55	15·9	+ 8·7	31	+ 17
	Blackpool Ⓜ	51	40	48·2	42·9	45·7	+ 4·9	26	0	5	0·50	- 0·24	18·9	+ 11·9	36	+ 23
	Manchester (Prestwich)	53	35	47·9	39·7	44·0	+ 4·1	24	6	5	0·36	- 0·49	12·9	—	25	—
	Liverpool Obsy. (Bidston)	53	39	49·6	42·4	46·1	+ 4·6	29	0	3	0·12	- 0·49	25·8	—	50	—
	Chester (Hawarden Bridge)	55	39	51·0	43·3	47·3	+ 5·1	37	0	3	0·11	—	*	*	*	*
	Llandudno Ⓜ	54	42	52·3	44·0	48·3	+ 4·8	44	0	3	0·11	- 0·61	25·5	+ 16·4	48	+ 31
	Holyhead	51	42	49·3	44·6	47·0	+ 2·6	35	0	5	0·70	- 0·19	*	*	*	*
	Bettws-y-Coed	53	36	50·7	41·4	46·2	+ 3·0	32	2	5	0·66	—	14·4	—	27	—
8. ENGLAND, S.W.	Llangammarch Wells	51	24	48·3	36·3	42·5	+ 2·9	27	16	4	1·03	—	13·5	—	25	—
	Pembroke	53	44	51·6	46·0	48·9	+ 3·6	48	0	4	0·65	- 0·29	17·5	+ 6·2	32	+ 12
	Cardiff	53	28	49·3	35·3	42·6	- 0·1	32	19	5	1·34	—	*	*	*	*
	Clifton	53	33	48·4	39·0	43·9	+ 2·5	26	8	4	0·81	+ 0·05	*	*	*	*
	Bath	55	30	50·0	36·6	43·6	+ 2·4	34	15	4	0·65	- 0·03	15·6	—	28	—
	Arlington (N. Devon)	52	30	48·6	38·3	43·7	+ 1·9	27	10	5	1·98	+ 0·58	*	*	*	*
	Cullompton Ⓜ	55	31	49·4	37·7	43·8	+ 3·0	31	12	5	0·66	- 0·19	11·7	+ 1·7	21	+ 3
	Falmouth	54	39	50·9	44·1	47·6	+ 1·9	39	0	4	1·24	- 0·01	9·4	- 4·4	17	- 8
	Plymouth	54	35	51·0	41·9	46·6	+ 2·3	33	0	4	0·69	- 0·23	8·4	- 4·1	15	- 7
9. IRELAND, N.	Malin Head	53	39	49·7	43·9	46·9	+ 3·9	34	0	5	1·08	+ 0·33	*	*	*	*
	Edenfel (Omagh)	52	35	48·6	40·1	44·5	+ 5·3	25	5	6	0·97	+ 0·12	*	*	*	*
	Blacksod Point	54	38	50·3	44·9	47·7	+ 3·7	40	0	7	1·85	+ 0·51	*	*	*	*
	Markree Castle	54	35	50·6	40·4	45·7	+ 5·0	33	4	7	0·96	+ 0·01	15·6	+ 6·2	31	+ 12
	Armagh	53	31	50·0	39·6	45·0	+ 4·8	31	7	4	0·25	- 0·42	18·3	+ 8·8	36	+ 17
	Donaghadee	53	37	49·3	42·6	46·1	+ 3·6	29	0	5	0·29	- 0·40	*	*	*	*
10. IRELAND, S.	Dublin	55	40	52·7	44·0	48·5	+ 5·7	46	0	2	0·13	- 0·42	20·2	+ 6·9	38	+ 13
	Birr Castle	54	37	51·4	41·1	46·5	+ 5·3	35	3	5	0·30	- 0·42	14·9	+ 3·5	28	+ 7
	Kilkenny	54	31	51·0	40·7	46·1	+ 3·9	34	4	3	0·20	- 0·55	*	*	*	*
	Waterford	52	37	50·0	41·3	45·8	+ 3·1	30	2	4	0·47	- 0·51	*	*	*	*
	Roche's Point	53	40	51·1	44·9	48·1	+ 2·8	43	0	6	0·36	- 0·84	*	*	*	*
	Valencia	54	42	52·3	46·3	49·4	+ 3·3	52	0	7	0·93	- 0·48	14·1	+ 2·9	26	+ 5
	Killarney	56	40	53·1	44·6	49·0	+ 4·8	49	0	7	1·35	- 0·27	*	*	*	*
	Foynes	54	39	50·8	43·6	47·3	+ 4·3	37	0	4	0·27	- 0·77	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	55	44	52·4	46·6	49·6	+ 1·5	53	0	4	0·39	- 0·55	12·6	- 2·1	23	- 4
	Jersey (St. Aubyn's)	55	36	49·9	41·6	45·9	+ 0·3	29	1	6	0·58	- 0·30	7·1	- 7·9	13	- 14

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

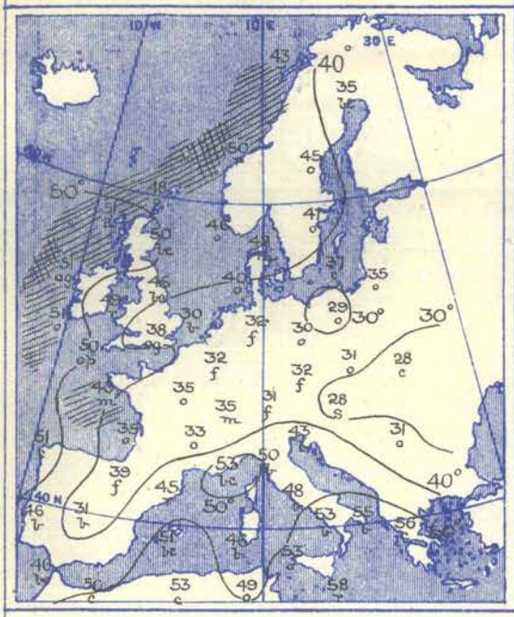
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

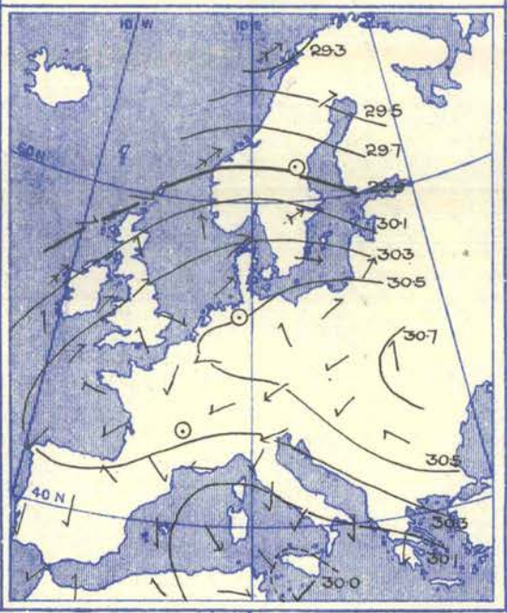
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 3rd December, 1905.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

Weather at 8 a.m. fine and bright over nearly the whole of Italy, the Riviera, and the Spanish Peninsula; cloudy or overcast elsewhere, with fog at several stations in England, the Low Countries, and central Europe, and rain at Malta, Perpignan, on many parts of our west and south-west coasts, and along the west coast of Norway. Snow falling at Vienna. More than an inch of rain falling later at Christiansund, La Calle, and Tunis, and 0·57 in. at Stornoway.

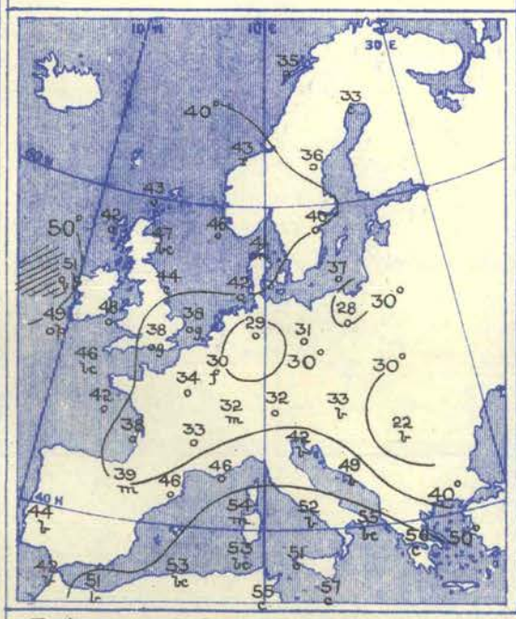
Temperature fallen in most localities. Readings in morning highest, 58° at Malta, 56° at Patras, and about 50° at several other southern stations and in the west and north of these Islands. Lowest, 22° at Warsaw, 28° at Vienna, 30° at Oxford, Great Yarmouth, and the Helder, and 31° at Madrid and Hermanstadt. Maxima during day, 55° at Wick and Leith and a few degrees higher at most of the extreme southern stations. Highest values, 61° at San Fernando and Athens and 63° at Malta. Thermometer continuing below 32° in some parts of Germany and not much exceeding it in Austria-Hungary.

Wind in morning South-Westerly over all the north-western countries; blowing freshly or strongly on all our western coasts, and with the force of a gale at Blacksod Point. Strong winds or gales prevailing all over Scandinavia. Light or moderate winds from the Eastward or North-Eastward over the central and southern countries. No general change later except a decrease of force in Norway and Sweden.

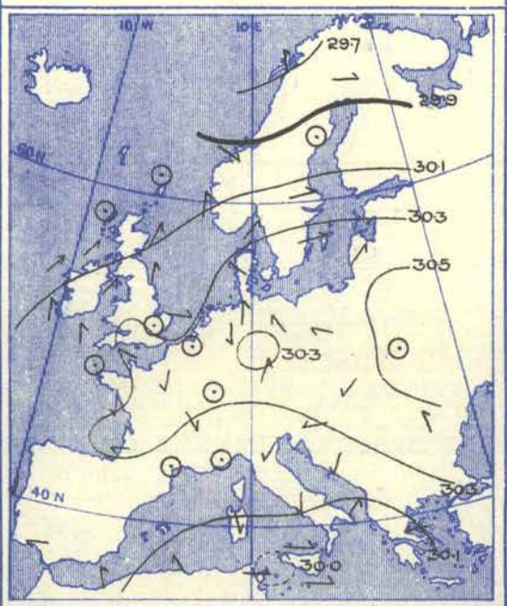
Barometer at 8 a.m. ranging from above 30·7 ins. in an anticyclone over the eastern portion of our area and apparently having its centre over the south of Russia to 30·0 ins. in a shallow depression over Sicily and its neighbourhood, and to below 29·4 ins. in a large system over the far north of Europe. Pressure increasing quickly later in the latter region, but little change taking place in the general distribution.

Monday, 4th December, 1905.

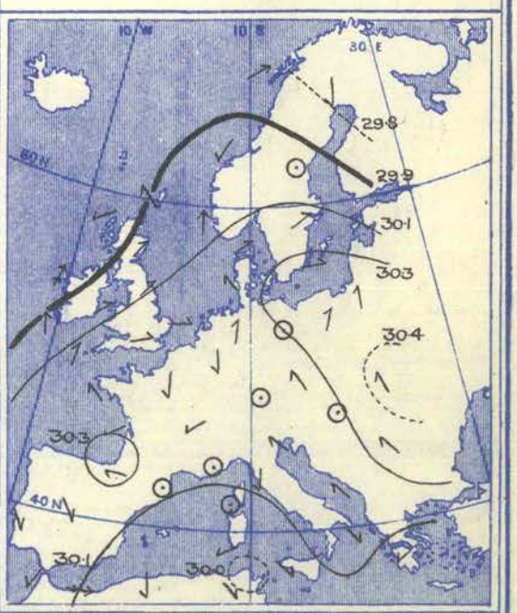
Temperature and Weather 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast generally, but fine and bright in Italy, Algeria, Portugal, and the south of Spain. Fog prevailing in many parts of central Europe, the Low Countries, and England, rain or showers at Barcelona, in the west of Ireland, and along the west coast of Norway, and snow at Frankfurt. Not much rain falling later except at Blacksod Point and Christiansund, but fog or mist continuing throughout the day in some places.

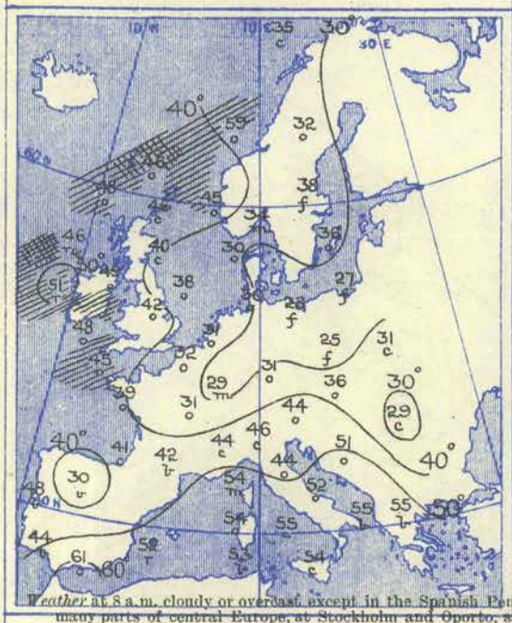
Temperature in morning fallen in most regions, but risen in the south-east of England. Above 50° in the extreme south of our area and as high as 57° at Malta. Below the freezing point at Nottingham and in various places on the Continent; lowest reading, 22° at Hermanstadt. Maxima during day above 70° in Greece, 66° at Sfax, and above 60° at some other stations in the region of the Mediterranean. Thermometer remaining below 32° in many parts of Germany, Poland, and the Netherlands, and only touching 34° at Limoges and 36° at Nancy and Nottingham, but rising to above 50° at several of our western and northern stations.

Wind in morning generally light or moderate from between South and West over the west and north of our Islands, Scandinavia, and Denmark, light from some Northerly or Easterly point over the south of our area, and light and variable over the intervening regions. Increasing in force later in Ireland and Norway, but scarcely any change occurring elsewhere.

Barometer at 8 a.m. highest, 30·3 ins. to 30·5 ins. and above in a large anticyclone covering all the central countries and France. Lowest, 29·7 ins. and less over the north of Norway; relatively low off our own western coasts and the Mediterranean. Rising during day in the far north of Europe, but falling briskly over Ireland and Scotland and rather decidedly over England, as well as within the anticyclonic region of central Europe.

Tuesday, 5th December, 1905.

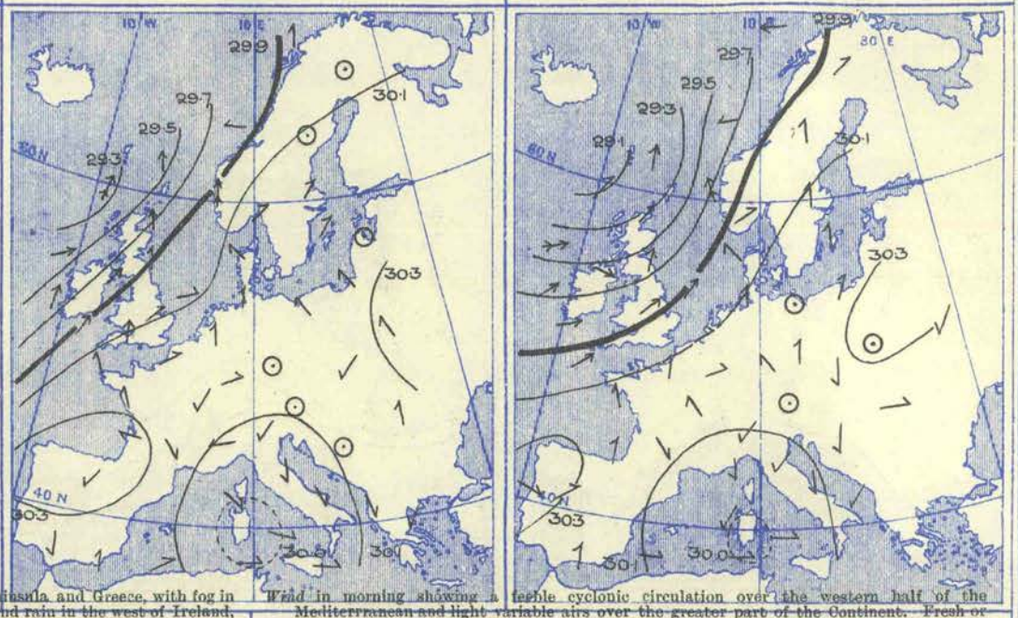
Temperature and Weather. 8 a.m.



Weather at 8 a.m. cloudy or overcast except in the Spanish Peninsula and Greece, with fog in many parts of central Europe, at Stockholm and Oporto, and rain in the west of Ireland, at Portland Bill, Prague, and Carlstad, and also at Palermo. Heavy rain falling later on our extreme north-west coasts and smaller quantities over our Islands generally and in various localities on the Continent; rain also experienced on the north coast of Africa—as much as 1·66 in. at Algiers.

Temperature risen in most parts of the United Kingdom and the nearer regions of the Continent, fallen in most other places. Morning readings about 50° on our south-west coast and above it in several parts of Algeria and southern Europe. Highest value, 61° at Nemours. Below 32° at Madrid and in many central and northern districts of the Continent. Lowest values, 23° at Memel and 24° at Warsaw. Thermometer remaining below 32° at some German stations and at Haparanda all day, and also at Besançon, but rising to above 50° at many places in this country and to above 60° in the far south of our area. Highest value, 65° at Malta.

Barometer and Wind. 8 a.m. and 6 p.m.

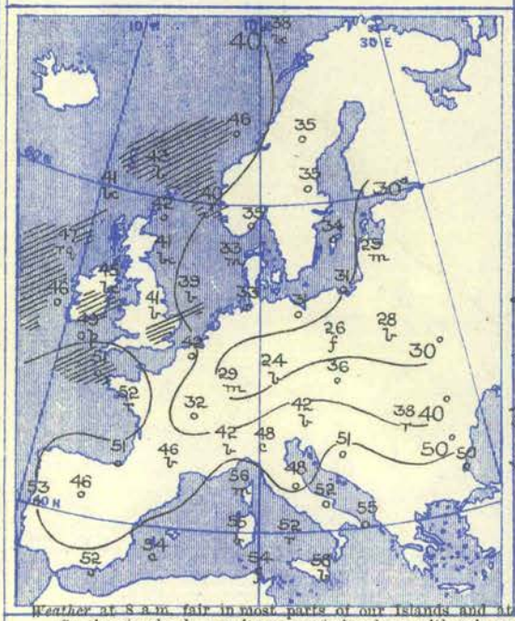


Wind in morning showing a feeble cyclonic circulation over the western half of the Mediterranean and light variable airs over the greater part of the Continent. Fresh or strong South-Westerly or Southerly winds prevailing over our Islands generally, and moderate to fresh gales at some extreme western and north-western stations. Increasing in force in most places in this country during day and blowing a fresh gale on the south-west coast of Norway. Little change elsewhere.

Barometer at 8 a.m. ranging from 30·3 ins. and upwards over the south of Russia and also over the major portion of the Spanish Peninsula to below 30·0 ins. in a depression of little depth centred between Tunis and the neighbouring Islands, and to less 29·3 ins. in a large and deep system having its minimum off the north-west of Scotland. Extremely little change in the general distribution later, but a decided fall of the mercury on our northern coasts causing gradients to become steeper, especially over the North Sea and Scandinavia.

Wednesday, 6th December, 1905.

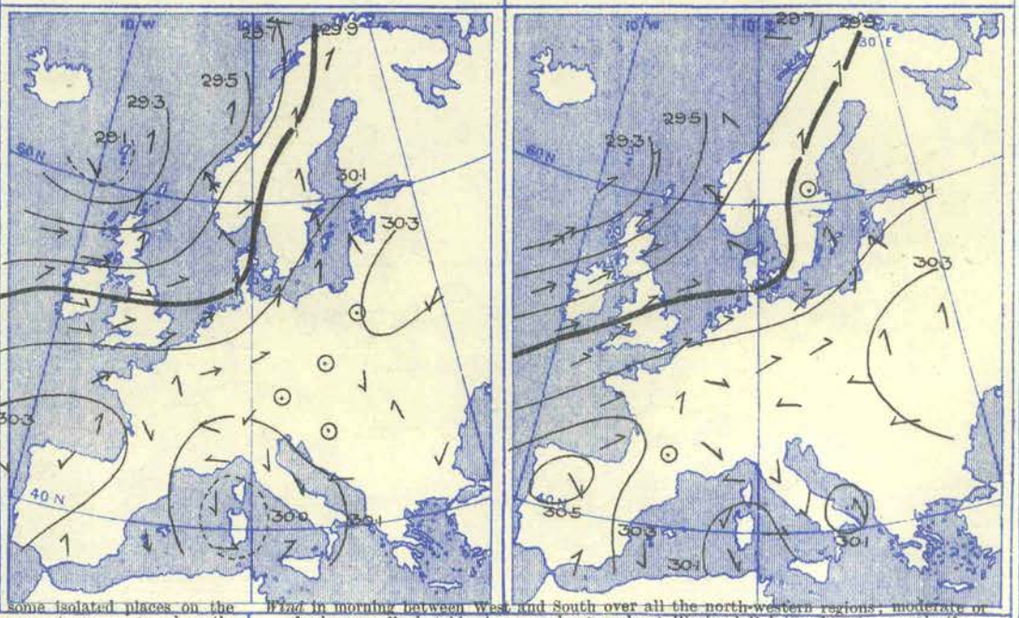
Temperature and Weather. 8 a.m.



Weather at 8 a.m. fair in most parts of our Islands and at some isolated places on the Continent; cloudy or quite overcast elsewhere, with rain on our extreme west and south-west coasts, over the Low Countries, at some French stations, as well as at Haparanda, Hermanstadt, and Palermo, and snow at Frankfurt. Rain falling later in all parts of this country and the nearer regions of the Continent and also in various parts of northern and southern Europe and in Algeria—largest amounts, 0·9 in. at Malta and 1·4 in. at La Calle.

Temperature fallen at most of the home stations and risen at most of those on the Continent, quickly in France and Spain. Readings in morning as high as 58° at Malta and above 50° at various other Mediterranean stations and in the west of France. Below 32° in many parts of central Europe and the south of Russia. Lowest values, 24° at Munich, 25° at Memel, and 26° at Kiev and Cracow. Rising subsequently to above 50° over the United Kingdom, and to above 60° in the extreme south of our area. Frost continuing all day at Cracow, and thermometer only exceeding the freezing point by a few degrees in Germany.

Barometer and Wind. 8 a.m. and 6 p.m.

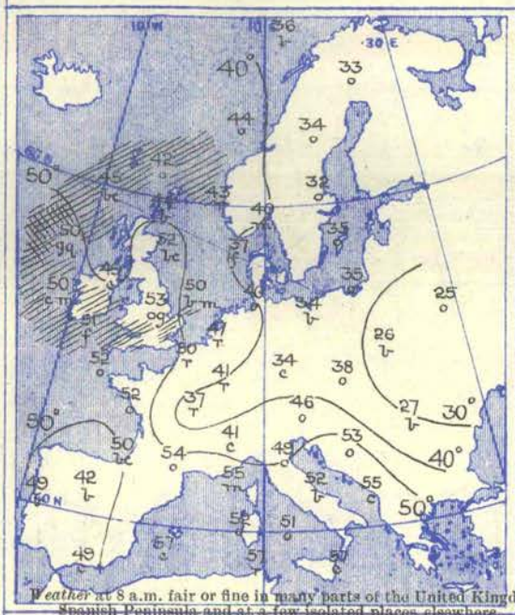


Wind in morning between West and South over all the north-western regions, moderate or fresh generally, but blowing a moderate gale at Blacksod Point and a strong gale (from South-East) at Skudesnaes. A feeble cyclonic circulation shown over the central portion of the Mediterranean, and light anticyclonic airs over the Spanish Peninsula and the eastern part of our area. Some increase in force taking place over our Islands later, but little change as a whole.

Barometer at 8 a.m. above 30·3 ins. over the Iberian Peninsula and also over the south-west of Russia. Below 30·0 ins. in a shallow depression having its centre north of Tunis, and less than 29·2 ins. in a larger and deeper disturbance centred off the north of Scotland. A fresh fall of the barometer setting in during day on our west and north-west coasts and gradients increasing over our Islands generally. Pressure increasing within the region of the Spanish anticyclone and also over Algeria.

Thursday, 7th December, 1905.

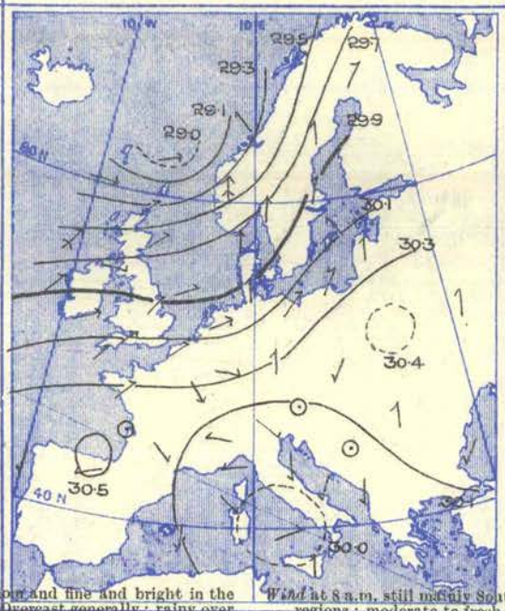
Temperature and Weather. 8 a.m.

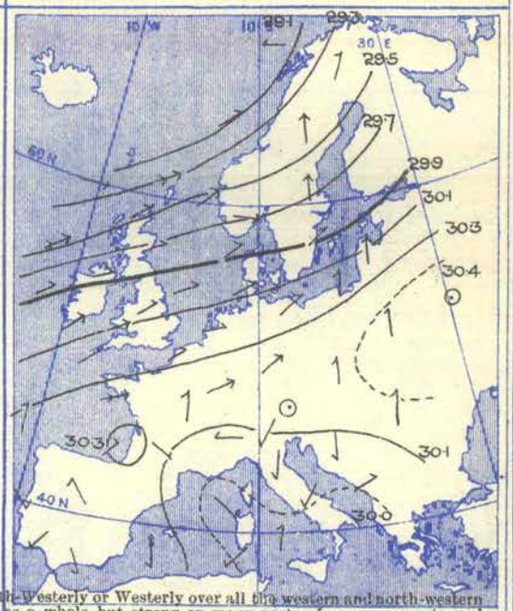


Weather at 8 a.m. fair or fine in many parts of the United Kingdom and fine and bright in the Spanish Peninsula and at a few isolated places elsewhere. Overcast generally; rainy over France and Belgium and also at La Calle, and foggy at Cape Gris Nez and the Scilly Islands. Rain falling later in most parts of north-western Europe, in Algeria, and at Constantinople, and thunderstorms, with hail or sleet, occurring in the Hebrides, Shetlands, and their vicinity.

Temperature risen except in the extreme north of Europe, Spain and Portugal, and Transylvania; change very decided in our Islands, France, and Germany. Morning readings as high as 57° at some stations in the far south of our area and 50° or above in nearly all English districts. Some degrees below the freezing point in the east of Europe, but above it generally. Rising during day to 55° in several parts of England, to 56° at Lowestoft, and to 58° in London. Maxima 68° at Naples and Patras and above 60° at many other far southern stations. Thermometer remaining below 40° in many localities of central Europe, and only touching 34° at Cracow.

Barometer and Wind. 8 a.m. and 6 p.m.



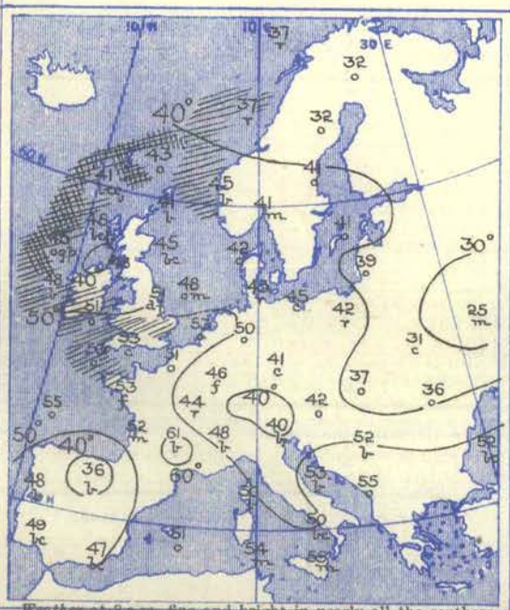


Wind at 8 a.m. still mainly South-Westerly or Westerly over all the western and north-western regions; moderate to fresh as a whole, but strong on many parts of our own coasts, and blowing a moderate to fresh gale in the north-west of Ireland, the Shetlands, and in the south of Norway. A light cyclonic circulation prevailing over the Mediterranean and light anticyclonic airs over the Iberian Peninsula. No change of importance later.

Barometer in morning highest, above 30·4 ins. over the south-west of our area and also in the south of Poland. Lowest, less than 30·1 ins. in a shallow depression over Sicily and its neighbourhood, and below 29·9 ins. in a large and extensive system having its centre to the northward of the Shetlands. Latter disturbance travelling north-eastwards during day, but very little modification taking place in the general distribution of pressure. Southern depression tending to disperse.

Friday, 8th December, 1905.

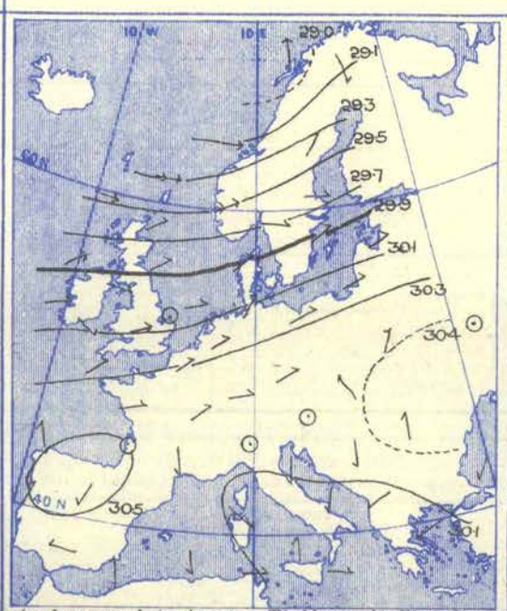
Temperature and Weather. 8 a.m.

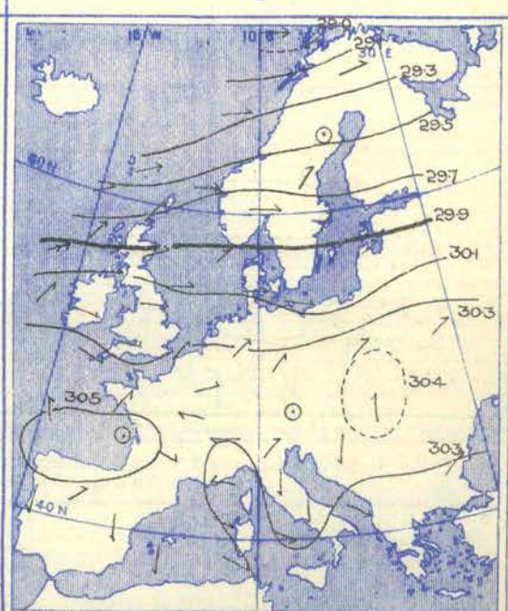


Weather at 8 a.m. fine and bright in nearly all the southern parts of our area, but rainy at Aumale and La Calle; fine also at many of our own northern and western stations and in the south of Scandinavia. Dull in other regions, with rain in the north-west of Norway, over the southern half of England, and in the Low Countries, as well as at Breslau, Lyons, and Limoges. Rain later over Germany and at some stations on the shores of the Mediterranean, and also in the north and north-west of these Islands.

Temperature risen generally, but fallen over our Islands and the Spanish Peninsula. Readings in morning ranging from 57° at Athens, 55° at Malta and Brindisi, and above 50° in the west and north of France and the south of England, to 32° in the north of Sweden, 31° in Poland, and to 25° in Little Russia. Maxima during day, 69° at Naples, above 60° at many other stations in the far south, and above 50° in many parts of this country, Germany, and Austria. Thermometer only rising to 37° at Lemberg and to 32° at Haparanda.

Barometer and Wind. 8 a.m. and 6 p.m.



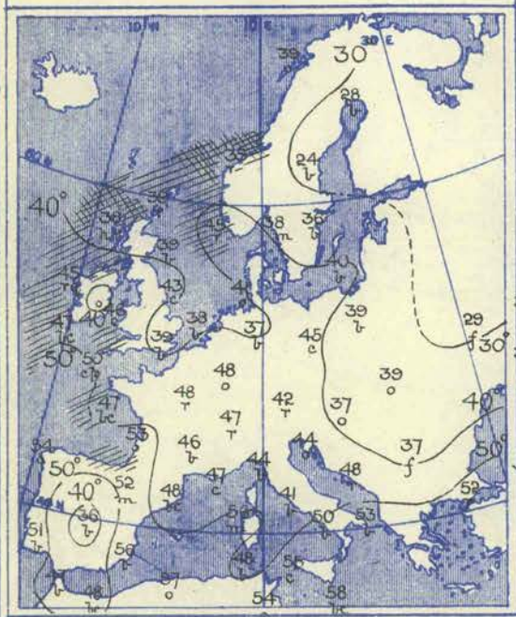


Wind in morning Westerly to South-Westerly over the northern half of our area; moderate or fresh generally, but strong in several places; a fresh gale blowing on the south-west coast of Norway and a strong gale in the Shetlands. Light and rather variable airs prevailing over the other portion of our area. Not much change of importance later as a whole, but gales in north subsiding. Wind veering somewhat and increasing to a fresh gale at Blacksod Point.

Barometer at 8 a.m. above 30·5 ins. over the northern districts of the Spanish Peninsula and only a little lower over the south-eastern parts of our area. Below 29·0 ins. over the north-west of Norway and relatively low over the Mediterranean and Italy. Pressure increasing over most parts of our Islands and the Continent later, but falling during evening on our own north-west coasts. Gradients becoming rather less steep generally.

Saturday, 9th December, 1905.

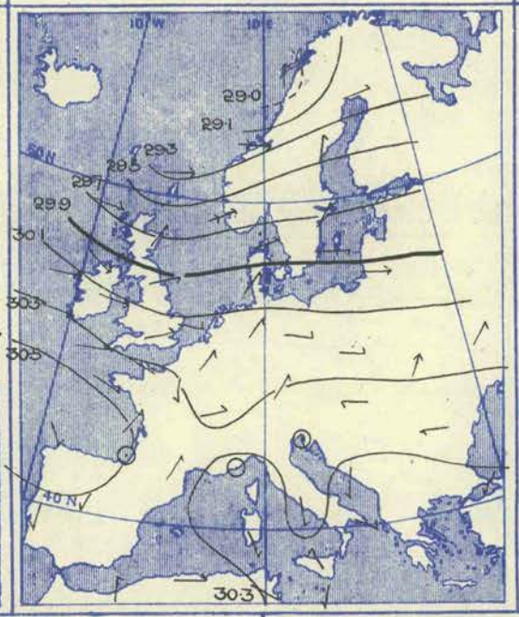
Temperature and Weather. 8 a.m.



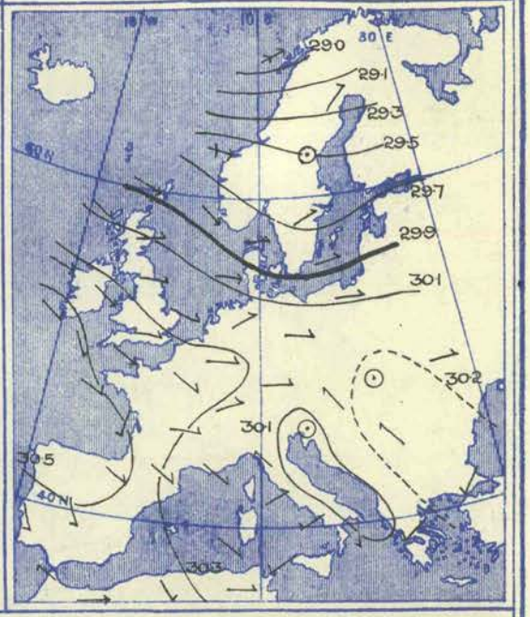
Weather at 8 a.m. fine and bright in most parts of our Islands, the south of Scandinavia, and in most regions of southern Europe; dull and rainy in the Shetlands, the north-west of Norway, and in some parts of France and the south of Europe, and foggy at Brussels, Vienna, and Hermanstadt. Rather heavy rain experienced later in the west of Norway, eastern and central France, and at a few Austrian and German stations, and nearly two and a half inches at Malta.

Temperature fallen very generally, but risen in Poland. Morning readings above 50° at a few places in the far south, and nearly 60° at Algiers and Malta. Below the freezing point in the north of Scandinavia and at Kiev; lowest reading, 24° at Hernösand. Above 40° over Europe as a whole, but below it in the north of Italy, central Spain, and at some of our own stations. Thermometer rising to about 50° or a little higher on our south and south-west coasts during day, and also in France and at some German stations. Maxima exceeding 55° in the most southern regions, and touching or exceeding 60° in places. Highest value, 66° at Patras.

Barometer and Wind. 8 a.m.



6 p.m.



Wind in morning mainly Westerly over these Islands and the northern half of the Continent; fresh or strong on our own western and northern coasts, and strong to a gale on the coast of Norway. Light or moderate breezes from various directions prevailing over the Mediterranean and its vicinity. Veering to North-West by evening in almost all parts of the United Kingdom, but no other change of importance.

Barometer at 8 a.m. above 30·5 ins. over the north of Spain and the adjacent portion of the Bay of Biscay, and above 30·3 ins. in a long band extending thence to the south of Russia. Below 29·0 ins. in a large depression having its centre off the north-west of Norway. Gradients steep over Scandinavia and the north of Scotland, moderate to very slight elsewhere. Anticyclone travelling northwards during day and pressure increasing very briskly over these Islands and the west of Norway. Northern depression moving slowly eastwards.

IV.—GENERAL NOTES, etc.

During the earlier days of the week a high pressure system lay over Poland whence it extended with gradually diminishing intensity across the central countries to the Bay of Biscay and the Spanish Peninsula. It subsequently became modified in form and eventually broke into two systems of about equal intensity, the respective maxima lying over the extreme south-west and the east of our area. Under these circumstances the chief cyclonic disturbances appeared to the westward of our Islands and generally took a north-easterly course to Scandinavia, producing during their passage steep gradients and correspondingly strong winds or gales on all our west and north-west coasts and subsequently over the northern countries of the Continent. Quite at the end of the period the south-western anticyclone moved northwards to the south of England and the winds over the United Kingdom decreased much in force and veered to West or North-West. Pressure was usually low over the Mediterranean region, but the chart did not always show a definite depression, and none of the systems were deep enough to have very much effect on the force of the wind. They caused rain, however, in Sicily, Malta and in various parts of Algeria and Tunisia. Over Europe as a whole the weather was not rainy except on our own north-west and west coasts and along the west coast of Scandinavia. The general level of temperature was rather high for the time of year over all the regions affected by the Atlantic depressions, especially over this country. Some frost was experienced over the central countries, but the thermometer was never very low for the time of year.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 290.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	8·2	+ 1·5	19	+ 3
STRATHPEFFER SPA	3·7	− 4·1	8	− 9
CRATHES	21·6	—	46	—
BALRUDDERY	17·7	—	37	—
EDINBURGH	10·4	+ 4·0	22	+ 8
COCKLE PARK	28·1	—	56	—
NEWCASTLE-on-TYNE	18·3	—	37	—
SALTBURN-by-the-SEA	—	—	—	—
YORK	11·8	+ 5·1	23	+ 10
SKEGNESS	16·3	—	31	—
CROMER	14·7	—	28	—
LOWESTOFT	15·1	—	29	—
DUNMOW	5·6	—	10	—
SHEFFIELD	15·8	—	30	—
WORKSOP	13·9	+ 5·9	26	+ 11
MARGATE	11·2	− 0·4	20	− 1
RAMSGATE	12·3	—	22	—
EASTBOURNE	10·5	− 2·6	19	− 5
BRIGHTON	10·4	− 2·4	19	− 4
WORTHING	11·7	—	21	—
BOGNOR	11·9	—	22	—
VENTNOR HOSPITAL	10·4	− 1·9	19	− 3
BOURNEMOUTH	11·2	—	20	—
MARLBOROUGH	12·2	+ 2·9	22	+ 5
SOUTHPORT	20·3	—	39	—
RHYL	27·1	—	51	—
ABERDOVEY	15·9	—	30	—
ABERYSTWYTH	16·0	—	30	—
TENBY	16·5	+ 5·2	31	+ 10
TORQUAY	12·8	+ 0·1	23	0
NEWQUAY	18·6	+ 5·3	33	+ 9
GUERNSEY	7·8	− 3·6	14	− 6

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 40, page 240	Skegness	—	—	—	—	—	—	—	—	—	—	—	25·1	—	32	—
,, 42, ,, 248	Cheadle	—	—	—	—	—	—	—	—	2	0·25	−0·51	—	—	—	—
,, 45, ,, 266	Laudale	—	—	—	—	—	—	—	—	5	1·45	−0·41	—	—	—	—
,, 46, ,, 272	Blacksod	—	—	—	—	—	—	—	—	1	0·74	−0·49	—	—	—	—
,, 47, ,, 278	Scilly	—	—	—	—	—	—	—	—	—	—	—	20·9	+ 4·8	35	+ 8

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No 50. FIFTIETH WEEK, ENDING SATURDAY, DECEMBER 16TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 296.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	52	34	47·1	39·5	43·5	5 above	21	+13	7	−21	2009	− 6	651	− 89
	1. SCOTLAND, EAST	53	26	47·4	36·8	42·3	5 above	24	+16	15	−20	2313	− 53	717	−116
	2. ENGLAND, N.E.	52	28	45·8	36·4	41·3	2 above	11	+ 1	24	− 6	2749	+148	558*	− 97
	3. ENGLAND, EAST	48	25	42·9	32·4	37·9	1 below	3	− 8	36	+ 3	3089	+ 88	560*	−153
	4. MIDLAND COUNTIES	48	26	44·4	33·6	39·2	1 above	7	− 5	32	− 2	2898	− 48	634*	−175
	5. ENGLAND, SOUTH	48	23	42·8	33·8	38·5	2 below	2	−14	31	+ 8	3139	−190	460	− 58
Principal Grazing Districts.	6. SCOTLAND, WEST	51	29	46·9	39·1	43·2	3 above	21	+ 8	8	−14	2570	+ 27	463	− 95
	7. ENGLAND, N.W.	50	29	46·2	38·3	42·4	2 above	18	+ 4	19	−13	2762	− 34	405	−112
	8. ENGLAND, S.W.	50	23	45·1	34·7	40·1	2 below	9	−13	29	+13	3016	−127	423	+ 84
	9. IRELAND, NORTH	53	32	47·0	39·8	43·6	3 above	20	+ 5	6	−15	2667	− 25	395	− 78
	10. IRELAND SOUTH	54	25	47·9	39·6	43·9	1 above	23	− 1	7	− 9	3147	+ 46	325	− 27
	— CHANNEL ISLANDS	51	35	48·9	41·1	45·2	1 below	26	− 8	3	− 1	3654	− 73	64	− 72

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 296.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	.8	4 less	268	+49	49·2	+ 5·5	2	− 4	4	− 8	1130	+ 16	26	0
	1. SCOTLAND, EAST	2	1	6 less	210	+23	28·0	− 2·2	10	+ 1	22	+ 3	1364	+ 36	32	+ 1
	2. ENGLAND, N.E.	0	—	5 less	165	− 9	19·8	− 4·4	10	0	20	0	1506	+ 97	35	+ 2
	3. ENGLAND, EAST	0	—	5 less	166	− 8	19·7	− 3·8	11	0	20	0	1632	+ 47	38	+ 1
	4. MIDLAND COUNTIES	1	less than half	5 less	169	+ 3	21·3	− 5·2	10	− 2	20	− 4	1413	+ 26	33	+ 1
	5. ENGLAND, SOUTH	0	—	6 less	165	+ 1	25·4	− 1·8	11	+ 1	20	+ 1	1584	− 1	37	0
Principal Grazing Districts.	6. SCOTLAND, WEST	4	3	10 less	198	+ 3	43·5	− 4·9	7	+ 1	15	+ 1	1486	+128	34	+ 3
	7. ENGLAND, N.W.	0	—	8 less	185	0	29·6	− 4·2	7	0	14	0	1473	+219	34	+ 5
	8. ENGLAND, S.W.	0	—	10 less	179	− 7	31·3	− 5·5	15	+ 4	27	+ 8	1564	− 34	36	− 1
	9. IRELAND, NORTH	3	2	7 less	227	+ 6	33·6	− 1·6	7	− 1	15	− 2	1404	+153	33	+ 4
	10. IRELAND, SOUTH	2	less than half	10 less	204	+ 5	31·9	− 7·1	5	− 6	10	−11	1394	− 40	32	− 1
	— CHANNEL ISLANDS	0	—	9 less	205	+14	28·4	− 3·3	19	+ 6	34	+11	1730	−132	40	− 3

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was very dry over the Kingdom generally, but slight rain fell frequently in the far west and north of Scotland. Several days, however, were very cloudy or quite overcast, and much mist or fog was experienced over England.

Temperature was above the mean in most districts; the excess in the north and east of Scotland amounted to 5°. In the south, east, and south-west of England and also in the Channel Islands there was a defect of warmth. The highest of the maxima, which were recorded on rather variable dates, ranged from 54° in Ireland S. to 48° in the Midland Counties and England S. and E. The lowest of the minima were generally registered during the earlier half of the week. In England S. and S.W. the thermometer fell to 23°, and in England E. and Ireland S. to 25°; elsewhere the values ranged from 26° in the Midland Counties and Scotland E. to 32° in Ireland N., 34° in Scotland N., and to 35° in the Channel Islands.

Rainfall was less than the normal in all districts. Over the greater part of England the weather was rainless, but at many stations slight quantities of water were deposited in the gauge by wet mists or fogs.

Bright Sunshine was deficient in Scotland N., the Midland Counties, and over Ireland, and just equal to the normal over the northern and eastern counties of England; elsewhere there was an excess. The percentage of the possible amount of duration ranged from 34 in the Channel Islands and 27 in England S.W., to 10 in Ireland S., and to 4 in Scotland N.

Barometer and Wind. During nearly the whole of the week the weather over the United Kingdom was dominated by a large anticyclone. On Sunday its central space, within which the barometer was above 30·6 ins., embraced the north of France and the southern half of England, but twenty-four hours later it had moved eastwards to Germany and increased in intensity to above 30·8 ins. By the following day, when its maximum again lay over the United Kingdom, the barometer in some parts of Ireland and England rose slightly above 30·9 ins. From this time it moved very slowly southwards and south-eastwards and decreased in height until at the end of the period the highest barometer, about 30·4 ins., was found over the east of France. Some depression far out on the Atlantic or over northern Europe caused the wind to increase in force from between South and West on our western and northern coasts, but, as a rule, the wind was light and mainly from the Westward.

4315 Wy. & S. Ltd.
370 12 | 05

II.—DATA from which the SUMMARY on page 295 has been calculated.

Districts. Dec. 10-16, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°							
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head	48	36	45·9	41·1	43·6	+ 3·8	15	3	6	0·32	− 0·70	*	*	*	*
	Stornoway	50	36	48·0	40·1	44·2	+ 4·5	23	5	6	1·29	+ 0·01	0·0	− 5·6	0	− 13
	Wick	52	35	48·6	37·7	43·4	+ 4·9	28	12	4	0·51	− 0·20	*	*	*	*
	Lairg Ⓢ	49	34	46·0	38·5	42·4	+ 7·2	18	10	7	0·81	− 0·09	*	*	*	*
	Glencarron Ⓢ	49	35	46·8	39·3	43·2	+ 5·8	20	8	7	1·66	− 0·63	*	*	*	*
	Fort Augustus Ⓢ	50	36	47·4	40·4	44·0	+ 5·4	21	4	4	0·35	− 0·84	2·4	+ 0·4	5	+ 1
1. SCOTLAND, E.	Nairn	51	33	48·0	37·9	43·2	+ 5·3	26	11	3	0·16	− 0·33	*	*	*	*
	Aberdeen	52	28	46·9	35·1	41·2	+ 2·8	14	29	3	0·31	− 0·42	10·4	+ 1·7	23	+ 4
	Braemar Ⓢ	47	29	43·6	36·0	40·0	+ 5·1	4	24	3	0·07	− 0·69	*	*	*	*
	Clathick Ⓢ	53	27	48·7	37·7	43·4	+ 5·7	28	12	2	0·09	− 0·90	*	*	*	*
	Leith	50	36	49·3	41·1	45·4	+ 5·7	28	3	2	0·07	− 0·37	*	*	*	*
	Marchmont Ⓢ	50	26	47·9	33·1	40·8	+ 3·7	17	37	1	0·05	− 0·65	12·3	+ 4·8	26	+ 10
2. ENGLAND, N.E.	Alnwick Castle	52	28	49·2	37·3	43·5	+ 4·8	30	13	0	0·00	− 0·70	*	*	*	*
	Durham	49	33	46·7	37·2	42·1	+ 4·1	21	13	0	0·00	− 0·60	10·4	+ 0·7	21	+ 1
	Shields	49	34	47·4	37·6	42·7	+ 3·2	23	12	0	0·00	− 0·54	*	*	*	*
	Scarborough Ⓜ	49	33	46·5	38·3	42·6	+ 3·1	20	10	0	0·00	− 0·62	11·4	—	23	—
	Spurn Head	46	34	44·4	38·0	41·3	+ 1·3	7	16	0	0·00	− 0·46	*	*	*	*
	Lincoln	46	29	43·7	32·5	38·3	− 0·7	5	36	0	†0·04	− 0·41	*	*	*	*
	Fulbeck (Lincolnshire)	43	31	42·5	33·8	38·3	+ 0·6	1	30	0	†0·02	− 0·43	14·5	—	28	—
3. ENGLAND, E.	Hillington Ⓜ	44	27	42·8	31·7	37·5	− 0·5	2	38	1	0·08	− 0·49	8·4	− 1·1	16	− 2
	Yarmouth	45	29	42·7	33·4	38·2	− 0·7	2	32	1	0·03	− 0·54	*	*	*	*
	Geldeston	45	26	43·7	31·4	37·8	− 1·4	5	40	0	†0·03	− 0·47	10·5	− 0·3	20	− 2
	Cambridge	48	27	43·4	30·9	37·4	− 1·2	4	42	0	†0·02	− 0·38	12·9	+ 3·6	24	+ 7
	Felixstowe	44	26	42·9	33·2	38·2	− 1·6	3	32	0	†0·04	—	9·6	—	18	—
	Clacton-on-Sea	45	30	43·0	33·7	38·5	− 1·3	3	31	0	†0·02	—	7·1	—	13	—
	Rothamsted	45	26	42·5	31·5	37·2	− 1·5	1	39	0	†0·03	− 0·53	8·9	− 0·9	17	− 2
	Shoeburyness	45	25	42·3	33·4	38·0	− 2·1	1	31	0	†0·02	− 0·38	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	47	33	45·5	36·4	41·1	+ 3·3	10	23	0	0·00	− 0·71	17·6	—	35	—
	Bawtry (Hesley Hall)	46	30	45·9	35·0	40·7	+ 2·3	11	29	1	0·04	− 0·43	*	*	*	*
	Nottingham	48	26	44·9	31·6	38·5	− 0·2	8	40	1	0·04	− 0·43	6·0	—	12	—
	Colly Weston (Stamford)	45	29	43·0	32·3	37·9	− 0·2	3	36	1	0·06	− 0·43	*	*	*	*
	Cheadle Ⓜ	46	30	43·8	34·5	39·3	+ 1·7	5	29	0	0·00	− 0·72	*	*	*	*
	Birmingham (Edgbaston)	46	31	44·2	35·8	40·2	+ 1·0	6	25	1	0·02	− 0·50	10·9	—	21	—
	Shrewsbury	48	29	46·2	33·5	40·1	+ 0·1	12	34	0	0·00	—	*	*	*	*
	Hereford Ⓜ	46	26	44·2	30·8	37·8	− 1·6	6	43	1	0·04	− 0·51	*	*	*	*
	Cirencester															
	Oxford	45	26	42·1	32·4	37·4	− 2·0	0	35	0	†0·02	− 0·46	7·3	− 2·2	14	− 4
	Westminster	47	27	42·6	33·4	38·2	− 2·0	2	32	0	†0·01	—	0·2	− 2·8	0	− 5
5. ENGLAND, S.	London (Brixton)	45	28	41·4	32·4	37·1	− 2·9	0	34	0	†0·02	− 0·47	0·9‡	− 4·1‡	2‡	− 8‡
	Wisley (Surrey)	46	24	40·7	31·2	36·1	− 5·1	0	41	0	†0·02	—	5·9	—	11	—
	Swarraton (Alresford) Ⓜ	43	25	41·5	30·4	36·2	− 2·5	0	41	1	0·05	− 0·65	*	*	*	*
	Tunbridge Wells Ⓜ	44	23	41·1	31·3	36·4	− 3·2	0	39	0	†0·03	—	13·8	—	26	—
	Dungeness	46	26	44·3	33·4	39·1	− 2·4	6	33	0	0·00	− 0·48	11·3	—	21	—
	Hastings (St. Leonards)	46	30	44·4	36·5	40·6	− 0·8	7	22	0	0·00	− 0·66	17·0	+ 3·7	32	+ 7
	Southampton	45	37	43·3	34·3	39·0	− 2·5	4	29	0	†0·02	− 0·70	12·7	+ 1·4	24	+ 3
	Portland Bill	48	36	46·0	38·7	42·5	− 0·2	17	9	0	0·00	—	*	*	*	*
	Shaftesbury Ⓜ	45	35	42·6	36·2	39·5	+ 1·7	2	21	1	0·03	− 0·71	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	51	33	48·7	40·4	44·7	+ 3·6	26	4	6	1·02	− 1·12	*	*	*	*
	Glasgow	49	32	47·3	40·3	43·9	+ 4·7	20	5	3	0·27	− 0·69	0·3	− 3·2	2	− 7
	Cally Ⓢ	47	29	44·7	35·6	40·3	+ 0·9	8	25	3	0·13	− 1·07	*	*	*	*
	Aspatria	47	31	45·9	39·4	42·8	+ 2·7	17	7	4	0·22	—	7·9	—	16	—
	Douglas (Isle of Man)	49	32	48·1	39·8	44·1	+ 1·9	24	6	2	0·03	− 1·04	13·2	+ 4·4	26	+ 9
7. ENGLAND, N.W.	Newton Rigg	48	29	46·8	36·3	41·8	+ 3·2	13	25	2	0·03	—	9·6	—	19	—
	Stonyhurst	46	34	44·3	38·0	41·3	+ 2·5	6	17	0	†0·01	− 1·09	4·4	− 1·6	9	− 3
	Blackpool Ⓜ	47	33	45·8	38·8	42·4	+ 2·4	16	9	0	†0·02	− 0·72	8·9	+ 2·9	18	+ 6
	Manchester (Prestwich)	46	34	44·0	37·3	40·8	+ 1·9	6	19	0	†0·02	− 0·84	0·6	—	1	—
	Liverpool Obsy. (Bidston)	47	34	46·0	39·1	42·7	+ 2·1	17	8	0	†0·02	− 0·58	11·1	—	22	—
	Chester (Hawarden Bridge)	49	34	47·1	37·5	42·5	+ 0·9	22	13	0	0·00	—	*	*	*	*
	Llandudno Ⓜ	50	39	47·7	41·0	44·5	+ 1·9	22	3	0	0·00	− 0·70	6·0	− 2·3	12	− 5
	Holyhead	49	40	47·7	42·3	45·1	+ 1·5	22	0	0	0·00	− 0·89	*	*	*	*
	Bettws-y-Coed	48	29	46·6	34·4	40·7	− 1·5	13	31	0	†0·01	—	6·2	—	12	—
8. ENGLAND, S.W.	Llangammarch Wells	46	23	42·8	29·1	36·2	− 2·7	2	47	1	0·03	—	11·7	—	22	—
	Pembroke	50	38	49·1	40·6	45·0	+ 0·4	27	4	0	0·00	− 0·94	9·9	− 0·4	19	− 1
	Cardiff	46	26	43·1	30·4	37·0	− 4·8	3	43	0	0·00	—	*	*	*	*
	Clifton	50	31	44·3	34·0	39·4	− 1·1	6	31	0	†0·02	− 0·74	*	*	*	*
	Bath	47	27	44·3	31·6	38·2	− 2·0	6	40	1	0·02	− 0·66	16·5	—	31	—
	Arlington (N. Devon)	46	30	44·9	35·6	40·4	− 0·4	8	25	1	0·03	− 1·36	*	*	*	*
	Cullompton Ⓜ	46	27	44·2	32·5	38·6	− 1·3	6	37	0	†0·01	− 0·84	13·0	+ 4·0	24	+ 7
	Falmouth	47	38	46·6	40·8	43·8	− 1·3	18	3	1	0·05	− 1·22	20·0	+ 7·0	36	+ 13
	Plymouth	50	31	47·0	37·6	42·5	− 1·0	22	12	0	0·00	− 0·95	15·4	+ 3·7	28	+ 7
9. IRELAND, N.	Malin Head	48	34	47·0	40·9	44·1	+ 1·8	19	3	4	0·19	− 0·58	*	*	*	*
	Edenfel (Omagh)	47	33	45·4	37·1	41·4	+ 3·0	10	21	2	0·17	− 0·69	*	*	*	*
	Blacksod Point	51	34	49·4	41·7	45·7	+ 2·1	27	1	4	0·44	− 0·93	*	*	*	*
	Markree Castle	49	32	46·7	39·4	43·2	+ 3·4	19	7	3	0·10	− 0·86	5·2	− 2·8	10	− 6
	Armagh	53	34	46·6	40·0	43·4	+ 4·1	18	6	1	0·03	− 0·64	9·6	+ 1·1	19	+ 2
	Donaghadee	48	35	47·1	39·7	43·6	+ 2·0	21	6	1	0·04	− 0·63	*	*	*	*
10. IRELAND, S.	Dublin	51	34	48·3	41·7	45·1	+ 3·0	23	1	3	0·03	− 0·51	5·9	− 6·4	11	− 12
	Birr Castle	50	30	47·4	39·0	43·4	+ 3·2	22	8	3	0·07	− 0·66	4·8	− 5·5	9	− 11
	Kilkenny	50	25	46·6	38·6	42·8	+ 1·4	20	10	0	0·00	− 0·75	*	*	*	*
	Waterford	50	27	47·4	39·1	43·4	+ 1·5	22	8	0	0·00	− 1·00	*	*	*	*
	Roche's Point	50	33	48·1	39·7	44·1	− 0·6	24	6	3	0·03	− 1·20	*	*	*	*
	Valencia	53	32	49·0	40·1	44·7	− 0·9	27	5	2	0·04	− 1·39	4·7	− 5·2	9	− 10
	Killarney	54	33	49·0	38·9	44·2	+ 0·4	28	9	0	0·00	− 1·65	*	*	*	*
	Foynes	51	34	47·5	39·5	43·7	+ 1·2	22	7	2	0·02	− 1·03	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	51	42	50·1	43·3	46·8	− 0·8	34	0	0	0·00	− 0·95	20·1	+ 6·6	37	+ 12
	Jersey (St. Aubyn's)	50	35	47·7	38·9	43·5	− 1·1	24	9	0	0·00	− 0·88	19·7	+ 5·3	35	+ 10

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

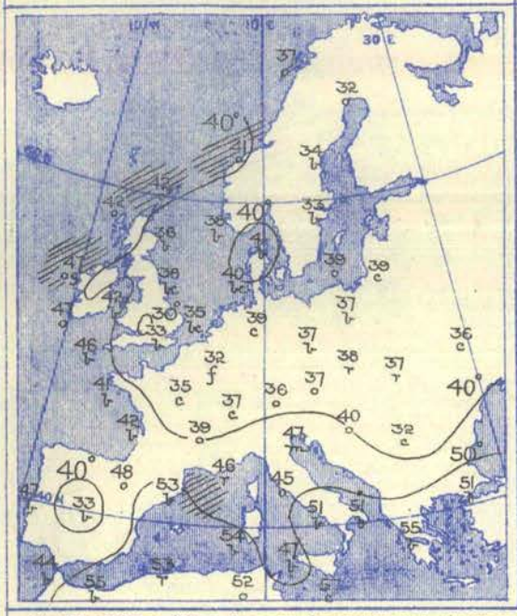
‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

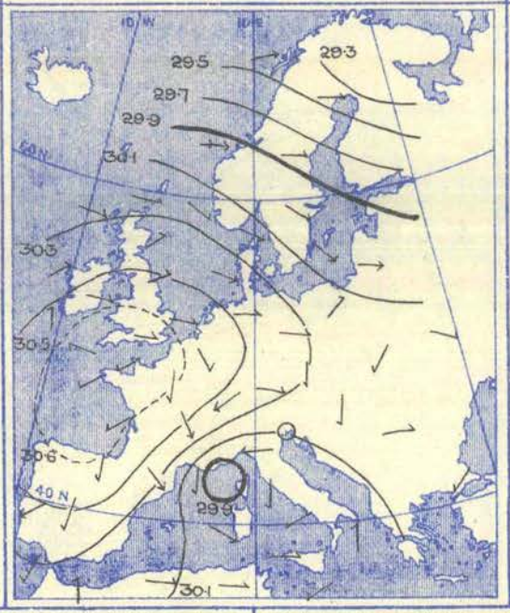
† Fog or mist.

Sunday, 10th December, 1905.

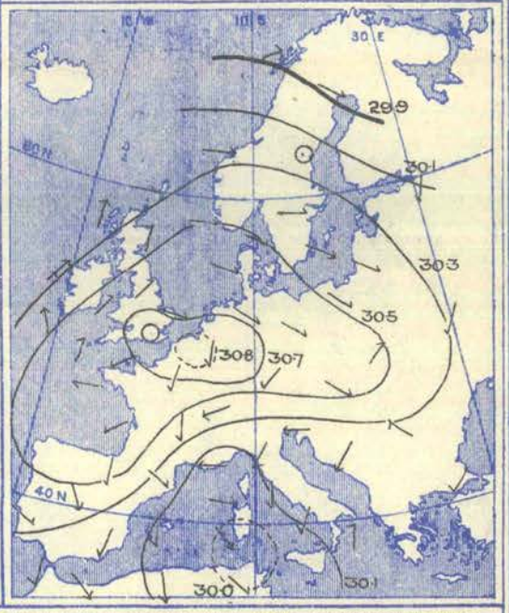
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine over the greater part of our area, but overcast in the extreme west and north of our Islands and in the west of Norway, and dull and rainy in parts of Austria-Hungary, and also at Turin and in the Riviera; fog prevailing at Brussels. Rain falling later in the far west and north of the United Kingdom and heavy amounts in the west of Norway, at Kieff, Palermo, and in the east of Algeria—largest measurement, 1·2 in. at La Calle.

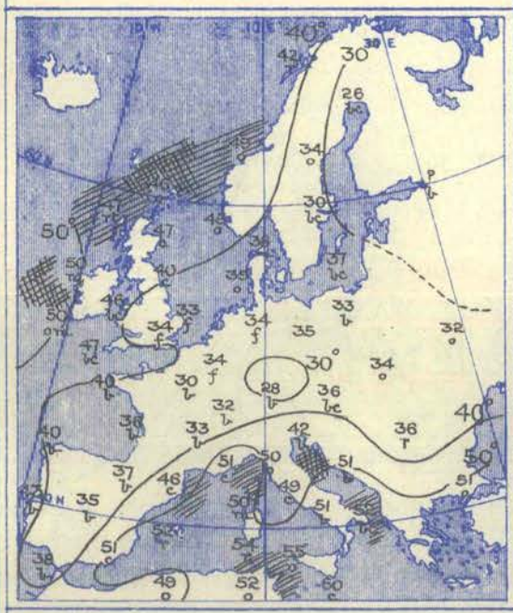
Temperature fallen in most places. Morning readings above 50° at many stations in the extreme south of our area and as high as 57° at Malta. Below 40° generally, and below 30° at Bath. Thermometer not rising above 35° all day in London (owing to the prevalence of fog), but maxima above 45° over these Islands generally and as high as 50° at some western and south-western stations. Readings above 55° in the far south of our area and above 60° in a few places.

Wind strong to a gale from the Westward on the west coast of Norway and moderate from West or North-West over Scandinavia as a whole. An extensive anticyclonic circulation prevailing over the United Kingdom and the central parts of the Continent, but a cyclonic movement of light to strong winds shown over the Gulf of Genoa and its neighbourhood. Backing to the Southward later on our western coasts and to South-West in our other districts; increasing to a fresh gale at Blacksod Point and to a strong breeze in several other western localities. A considerable increase in strength also taking place in Italy and the Adriatic.

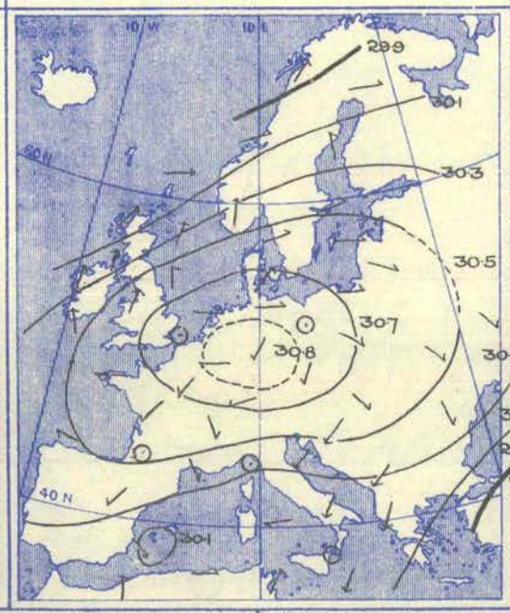
Barometer in morning above 30·6 ins. in an anticyclone having its maximum over the southern half of England and the Bay of Biscay; below 29·9 ins. in a small depression over the Gulf of Genoa, and less than 29·4 ins. in a large system centred over Lapland. Anticyclone moving eastwards during day, and a disturbance skirting our west and north-west coasts causing a fall of the barometer in Ireland and Scotland. Depression in south travelling towards the African coast.

Monday, 11th December, 1905.

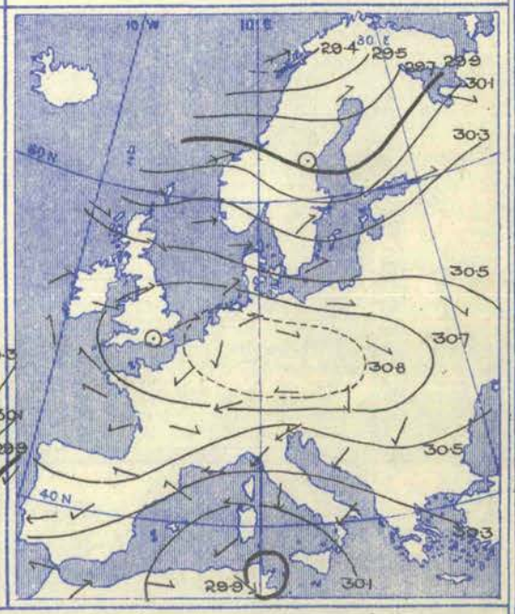
Temperature and Weather 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in the Spanish Peninsula, France, and in a few other localities; cloudy or overcast over the major portion of our area, with rain in the north-west of Ireland, the Hebrides, and the north of Norway, as well as at Hermanstadt and Cagliari. Fog very prevalent over the south-east of England, Belgium, and the Netherlands. Rain later at several of the Mediterranean stations—more than an inch at Malta—and also in Ireland and Scotland and the west of Norway. Fog continuing all day at many English stations.

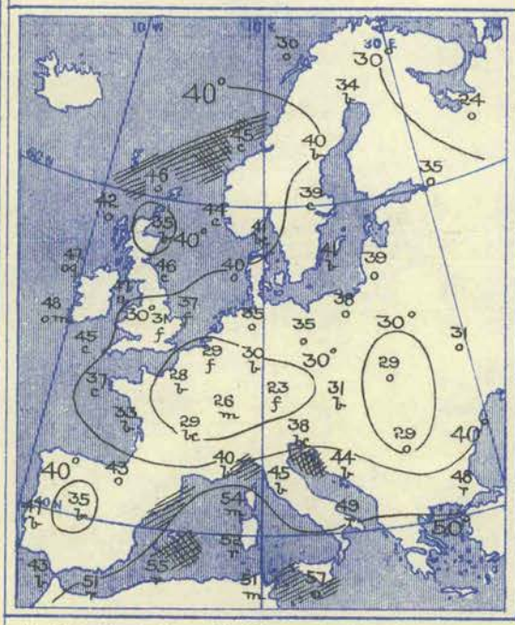
Temperature risen in nearly all parts of these Islands and Norway, fallen or changed little elsewhere. Readings in morning ranging from 60° at Malta to less than 40° generally, and to below the freezing point in places. Lowest values, 31° at Oxford, 28° at Munich, and 26° at Haparanda. Maxima during day above 55° in the far south and about 50° in most parts of the United Kingdom, but only 36° at Oxford and below 40° over the central countries of Europe. Thermometer rising no higher than 34° at Utrecht and 36° at Breslau.

Wind at 8 a.m. showing an anticyclonic circulation over all the central regions of Europe and a fresh to strong Southerly or South-Westerly current over our own western and northern districts and Scandinavia. Fresh or strong North-East or East winds prevailing over Italy, the Adriatic, and the Mediterranean. Increasing to a gale later in the latter regions and also along the west coast of Norway. Force decreasing at most of our own stations.

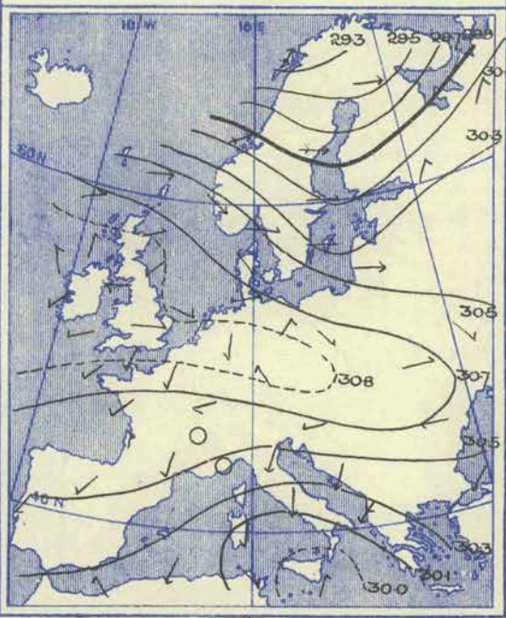
Barometer in morning above 30·8 ins. in the central space of an anticyclone covering the Low Countries and the adjacent part of Germany, and decreasing to below 30·0 ins. in various Mediterranean districts, and to less than 29·9 ins. over Finmark. Pressure decreasing very briskly in the latter region later and gradients becoming steep over northern Europe generally. Barometer also falling somewhat in the extreme south of our area and gradients increasing in that region also. Anticyclone commencing to expand in a westerly direction.

Tuesday, 12th December, 1905.

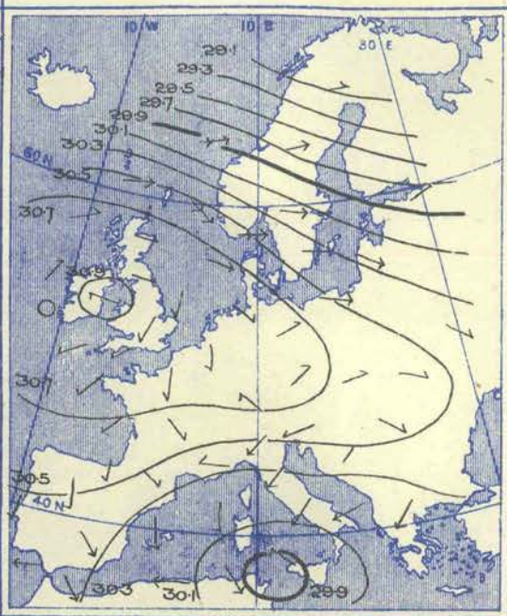
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the Spanish Peninsula, the Riviera, the north of Italy, Hungary, and Sweden. Overcast in most other regions, with much fog over Ireland, England, and Belgium, and rain at Constantinople and Brindisi, and in Algeria. Fog or mist continuing all day in many parts of these Islands and the adjacent portion of the Continent and heavy rain falling in Algeria and Sicily—largest amount, 2·5 ins. at Palermo.

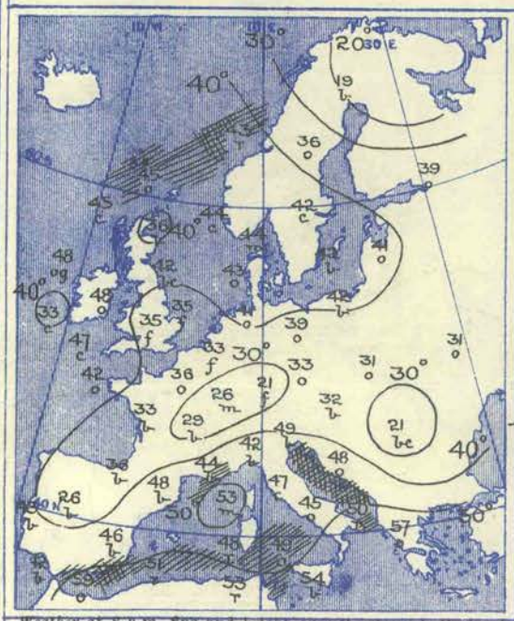
Temperature risen over the Iberian Peninsula, Algeria, Sweden, and Denmark, fallen elsewhere. Readings in morning as high as 57° at Malta and about 50° at some other southern stations. Below the freezing point at some places in southern England and in many Continental localities. Lowest values, 23° at Aix-la-Chapelle and Munich, 24° at Limoges and Archangel, and 26° at Belfort. Maxima slightly above 60° at a few places in the extreme south of our area, but below 50° generally, and below 40° in the northern and central regions. Frost continuing all day at Aix-la-Chapelle, and thermometer only rising to about 34° in Poland.

Wind in morning strong to a whole gale from the Westward over Scandinavia and strong to a fresh gale from the North-Eastward over Italy and the Adriatic. Light and mainly Westerly or North-Westerly over the north of our Islands and light or moderate from the North-Eastward over the English Channel, France, and the Spanish Peninsula. No general change occurring later, but a moderate gale springing up on the north coast of Africa.

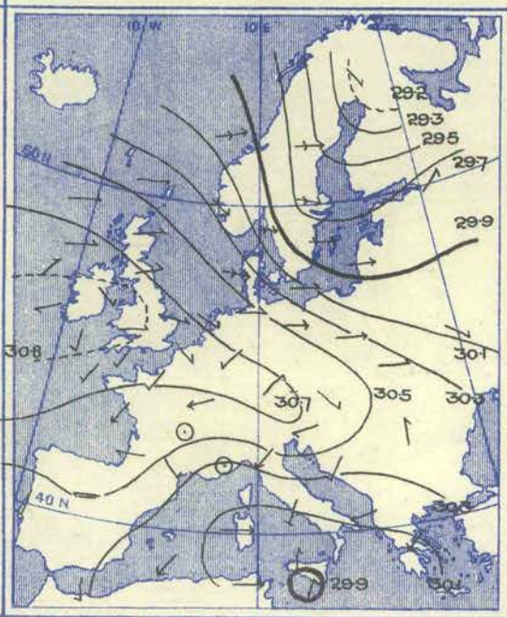
Barometer at 8 a.m. ranging from above 30·8 ins. in a large anticyclone covering nearly all the United Kingdom, the north of France, the Low Countries, and South Germany, to less than 30·0 ins. in a depression over the central part of the Mediterranean, and to less than 29·3 ins. in a very extensive system centred over Finmark. Pressure rising later to a little above 30·9 ins. over the Irish Sea and its neighbourhood and falling to about 29·8 ins. in the centre of the Mediterranean disturbance. Depression in far north travelling eastwards and barometer falling to 29·07 ins. at Haparanda.

Wednesday, 13th December, 1905.

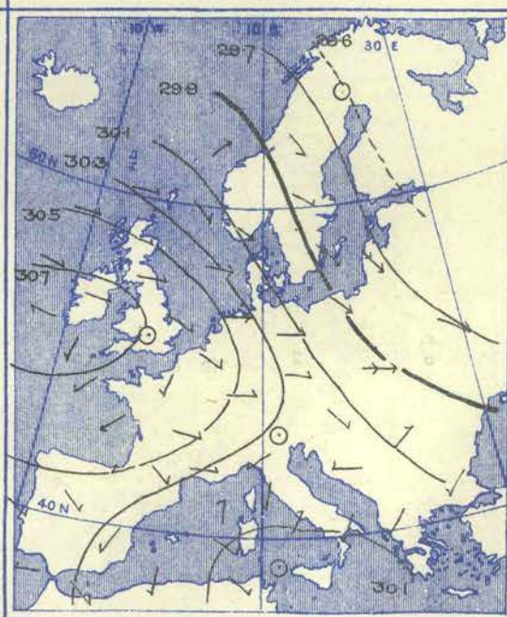
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the Spanish Peninsula, many parts of France and Scotland, and at several Swedish stations. Cloudy or overcast in most other regions; much fog or mist prevalent over Ireland, England, the Low Countries, and south Germany. Rain falling at Christiansund, Brindisi, and Palermo, and in Algeria. Conditions continuing dry generally, but slight rain falling in the Hebrides and Shetlands, and large quantities at Christiansund and also at Tunis and La Calle. Foggy or misty all day in several parts of Ireland and England.

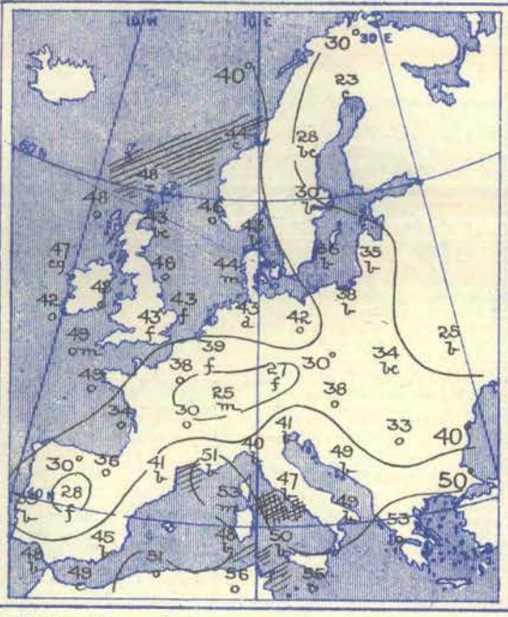
Temperature changed irregularly, fallen in the south-west of Ireland, risen over our Islands as a whole. Morning readings above 50° at a few southern stations and as high as 59° at Nemours and 57° at Patras. Below 32° in a few parts of the Continent. Lowest values, 26° at Madrid, 21° at Munich and Hermanstadt, and 19° at Haparanda. Maxima about 50° at some of our own western and northern stations, and about 60° in the extreme south of our area. Frost continuing all day in a few parts of northern and central Europe, and also at Belfort.

Wind in morning strong to a gale from the Westward over Scandinavia and the Baltic; strong, with a gale in places, from between North and North-East over Italy, and a gale from West prevailing at Tunis. A light anticyclonic circulation shown over our Islands and their vicinity. Very little change later except a considerable decrease in force.

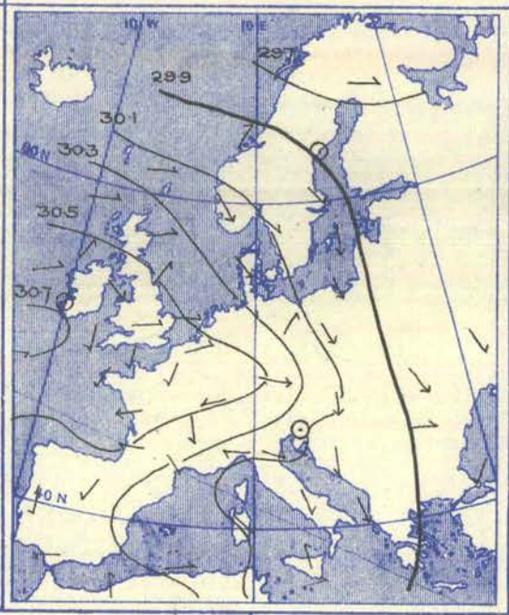
Barometer at 8 a.m. ranging from above 30·8 ins. in the nucleus of an anticyclone over Ireland and the western parts of England to less than 29·9 ins. in a depression near Malta, and to below 29·2 ins. in a deeper system over Lapland. Gradients steep or rather so over the north and south of our area. High pressure system decreasing slowly during day and a more decided fall of the barometer taking place over the central countries. Northern depression apparently travelling away in an easterly direction and that in the south becoming less deep.

Thursday, 14th December, 1905.

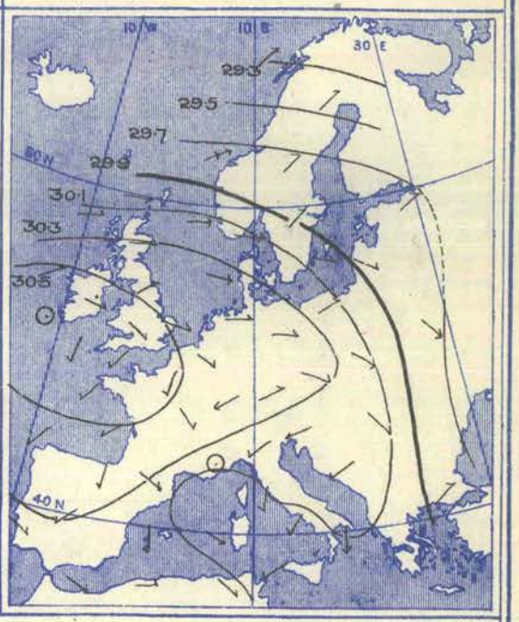
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast as a whole, but fog prevailing at Munich, in Belgium, and at some stations in the centre and south of England, and rain in the Shetlands. Fine and bright in various parts of Sweden, the Iberian Peninsula, and Italy, as well as in the east of Scotland. Scarcely any rain experienced during ensuing twenty-four hours, but slight amounts in some Mediterranean regions and at one or two stations in Scandinavia.

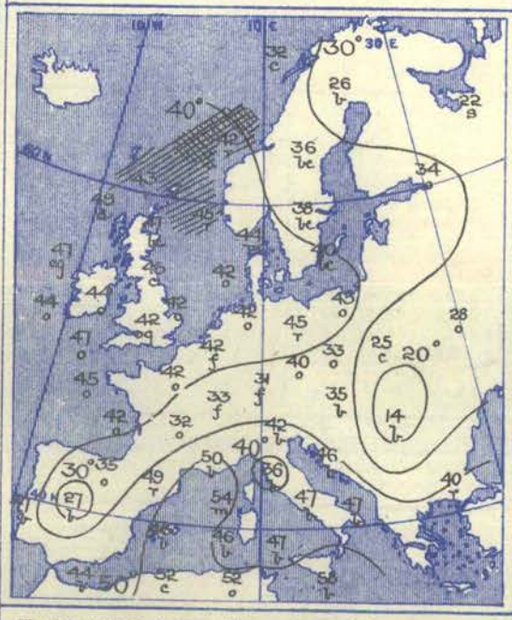
Temperature risen over the United Kingdom, the Low Countries, and central Europe, fallen generally elsewhere. Readings in morning highest, 56° at La Calle and 55° at Malta. Lowest, 23° at Haparanda, 25° at Kieff and Belfort, 27° at Munich, and 28° at Madrid. Several degrees above the normal over our Islands and Norway. Maxima during day about 60° or a little above at some Mediterranean stations, but below 50° over our area as a whole, and less than 40° in the central regions. Frost continuing all day at Lyons, Hermanstadt, and St. Petersburg, and thermometer only rising to 36° and 37° respectively at Toulouse and Biarritz.

Wind in morning blowing a moderate gale from South-West at Christiansund, and with nearly equal force from the Northward or North-Westward over the Baltic and Germany. A light anticyclonic circulation prevailing over these Islands and their neighbourhood, and light or moderate winds, mainly from the Northward, over the region of the Mediterranean. No general change later, but gale increasing in strength on the coast of Norway and a moderate gale from the North-Westward setting in at Cagliari.

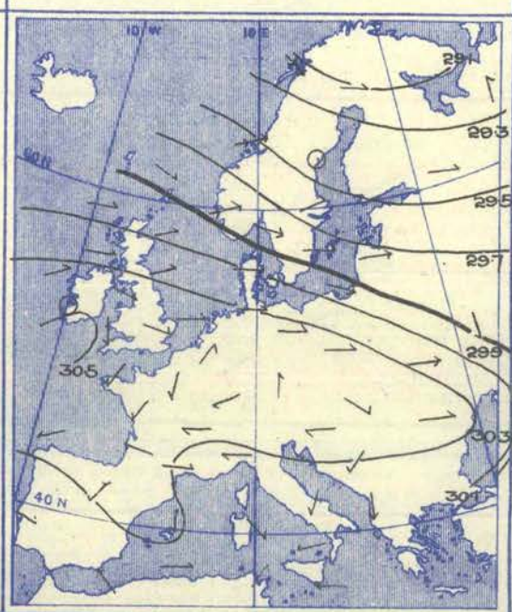
Barometer at 8 a.m. above 30·6 ins. in the central part of an anticyclone situated over Ireland and the western counties of England. Below 29·7 ins. over the north of Scandinavia and apparently over Russia also; relatively low over the Mediterranean. High pressure system diminishing somewhat in intensity later and a brisk fall of the barometer occurring in the northern half of Scandinavia. Pressure decreasing decidedly over the central regions of the Continent; a secondary maximum appearing near Munich.

Friday, 15th December, 1905.

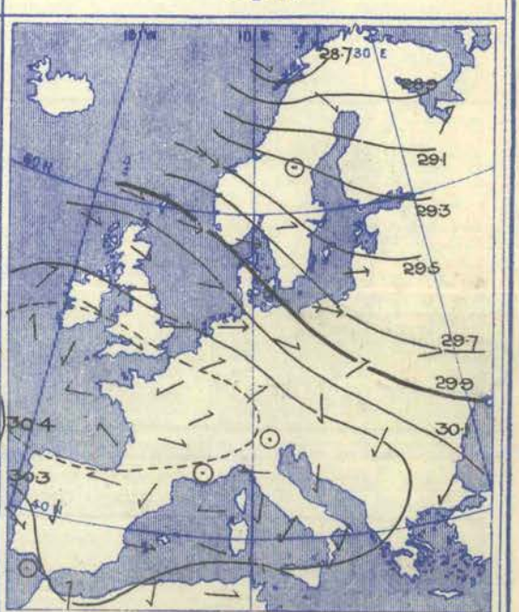
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. dull over the greater part of our area, with rain in the Hebrides, Shetlands, along the west coast of Norway, and in North Germany, and with fog in Belgium and the nearer portions of France and Germany. Fair or fine in Sweden and in nearly all the Mediterranean region, as well as in Transylvania. An inch of rain falling later at Sfax, but general character of weather continuing dry.

Temperature fallen in most districts, but risen in Sweden, many parts of central Europe, France, and the north of Italy. Readings in morning above 50° at some Algerian stations and as high as 58° at Malta. Below 40° on the Continent generally, and below the freezing point in places. Lowest values, 27° at Madrid, 22° at Archangel, and 14° at Hermanstadt. Rising later to about 50° on our western and northern coasts and along the west and north coasts of France, to 55° or above over the southern parts of Italy and the Spanish Peninsula, to 61° at Algiers, and to 68° at Sfax. Frost continuing all day at Hermanstadt and at some Scandinavian stations.

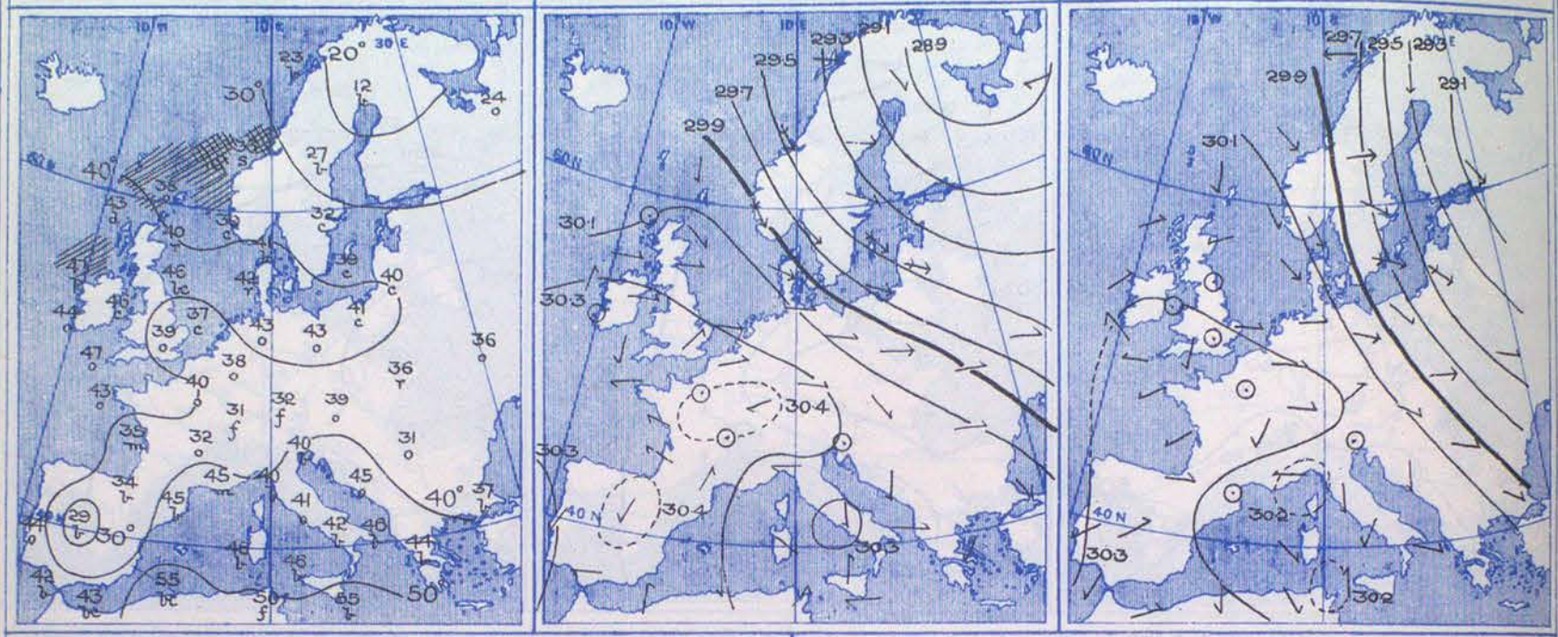
Wind in morning Westerly over all the northern half of our area and from between North and East in the south. Light or moderate in force generally, but strong over Scandinavia and the Baltic—a gale all along the Norwegian coast. Not much change occurring later as a whole, but a gale setting in on the North German coast.

Barometer at 8 a.m. above 30·4 ins. in a large anticyclone covering the Bay of Biscay, France, and the south of our Islands. Below 29·2 ins. in a depression over the extreme north of our area, and relatively low in the south-east of Europe. Pressure decreasing very briskly in the north of Scandinavia during day and gradients growing much steeper over northern Europe generally. Barometer rising in Scotland and falling a little in Ireland and England.

Saturday, 16th December, 1905.

Temperature and Weather. — 8 a.m.

Barometer and Wind. — 8 a.m. | 6 p.m.



Weather at 8 a.m. fine and bright in nearly all parts of southern Europe, Algeria, and the north of Sweden. Very cloudy or quite overcast over our area generally, with fog at Nottingham, Yarmouth, and Munich, and rain in Scotland and the south of Poland, and snow at Christiansund. Small amounts of rain falling later in various parts of central Europe, 0·4 in. at Lisbon, and 0·6 in. at Stornoway.

Temperature fallen very generally, but risen in the south-east of our area and remained almost stationary in Ireland. Morning readings ranging from 55° at Malta and Algiers to below 40° at many of our own stations and over the greater part of central Europe, and to below the freezing point in many places. Lowest values, 29° at Madrid, 23° at Limoges, 24° at Archangel, and 12° at Haparanda. Maxima during day about 60° at some stations in the extreme south, but less than 50° as a whole, and below 40° in several inland regions, as well as at Pesaro.

Wind at 8 a.m. light from the Westward in most parts of this country, and strong from the North-Westward over the northern regions of the Continent; a strong to whole gale prevailing on the coast of Norway. Light and variable airs prevalent over the Mediterranean and southern Europe. Gales subsiding in Norway by evening, but wind increasing to the force of a fresh to strong gale on the shores of the Baltic.

Barometer in morning above 30·3 ins. in a very large anticyclone occupying the south-western portion of our area, and as low as 28·8 ins. in the centre of a large depression in the neighbourhood of the White Sea. Gradients very slight in the south, moderate to steep in the northern regions of the Continent, Germany, and Poland. Pressure decreasing slightly within the anticyclonic area later and rising very briskly in Norway. A shallow depression appearing over the Gulf of Genoa.

IV.—GENERAL NOTES, etc.

The weather during the greater portion of the week was chiefly under the influence of a very extensive anticyclone. At the beginning of the period this system lay over the Bay of Biscay, the west of France, and the south of England; its nucleus subsequently moved eastwards to Germany, then westwards to the United Kingdom, where its maximum readings were about 30·9 ins., and finally it travelled southwards again to nearly its original position and at the same time decreased in intensity. The only cyclonic disturbances were shown over the extreme north of Europe, where they were both large and deep, and over the Mediterranean region, where their depth was sometimes sufficient to cause very strong winds or gales in Algeria, Italy, and on the shores of the Adriatic. The low pressure systems in the north gave rise to frequent storms of wind over Scandinavia and its neighbourhood, but the larger part of Europe experienced nothing stronger than a fresh breeze. The general condition of the weather was dry except in the far north of our area and on the north coast of Africa, and in Sicily, where rain was frequent and often heavy. Temperature was generally high for the time of year, and even in the central and northern countries of the Continent frost was rather rare and slight. The state of the sky was very cloudy or entirely overcast as a whole and much fog prevailed in the United Kingdom, the Low Countries, and Germany. Over the Spanish Peninsula, however, the sky was generally cloudless, and bright weather was also the rule over Italy and the Riviera.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 296.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	2·2	− 3·8	5	− 9
STRATHPEFFER SPA	2·1	− 5·2	5	− 12
CRATHES	10·9	—	24	—
BALRUDDERY	14·1	—	30	—
EDINBURGH	2·6	− 2·6	6	− 6
COCKLE PARK	12·5	—	26	—
NEWCASTLE-on-TYNE	3·7	—	7	—
SALTBURN-by-the-SEA	6·2	—	12	—
YORK	5·8	0·0	12	0
SKEGNESS	11·8	—	23	—
CROMER	13·6	—	26	—
LOWESTOFT	8·4	—	16	—
DUNMOW	14·5	—	27	—
SHEFFIELD	13·9	—	27	—
WORKSOP	6·1	− 1·0	12	− 2
MARGATE	4·3	− 6·4	8	− 12
RAMSGATE	7·9	—	15	—
EASTBOURNE	13·7	+ 1·1	25	+ 2
BRIGHTON	15·9	+ 4·0	29	+ 7
WORTHING	15·8	—	29	—
BOGNOR	16·1	—	30	—
VENTNOR HOSPITAL	19·3	+ 7·9	35	+ 14
BOURNEMOUTH	20·0	—	37	—
MARLBOROUGH	12·3	+ 3·9	23	+ 7
SOUTHPORT	8·7	—	17	—
RHYL	9·3	—	18	—
ABERDOVEY	9·8	—	19	—
ABERYSTWYTH	12·3	—	23	—
TENBY	11·9	+ 1·8	23	+ 5
TORQUAY	18·8	+ 6·8	34	+ 12
NEWQUAY	18·8	+ 7·0	34	+ 13
GUERNSEY	17·5	+ 7·1	31	+ 13

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 45, page 266	Llangammarch Wells	—	—	—	33·3	40·4	−2·5	—	35	—	—	—	—	—	—	—
„ 47, „ 278	Durham	52	—	43·9	—	38·2	−2·4	5	35	—	—	—	—	—	—	—
„ 47, „ 282	Dunmow	—	—	—	—	—	—	—	—	—	—	—	17·2	—	30	—
„ 47, „ 282	Hillington	—	30	—	36·5	41·2	+1·2	—	22	—	—	—	—	—	—	—
„ 48, „ 284	London	—	—	—	—	—	—	—	—	4	0·64	+0·15	—	—	—	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No 51. FIFTY-FIRST WEEK, ENDING SATURDAY, DECEMBER 23RD, 1905. *[Price 6d. Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 302.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Averages of Daily Minima.	Averages of Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	51	34	47·2	39·4	43·5	6 above	21	+14	7	−24	2030	+ 8	658	−113
	1. SCOTLAND, EAST	54	29	47·2	38·8	43·2	6 above	22	+15	9	−29	2335	− 38	726	−145
	2. ENGLAND, N.E.	54	33	46·2	38·7	42·6	5 above	18	+ 9	9	−23	2767	+157	567	−120
	3. ENGLAND, EAST	54	30	45·8	37·4	41·8	3 above	11	+ 1	20	−16	3100	+ 89	580	−174
	4. MIDLAND COUNTIES	54	26	45·9	37·4	41·8	4 above	11	+ 1	20	−17	2909	− 47	655*	−131
	5. ENGLAND, SOUTH	53	28	46·2	39 2	42·8	3 above	17	+ 2	8	−18	3156	−188	468	− 76
Principal Grazing Districts.	6. SCOTLAND, WEST	53	34	47·3	41·9	44·7	5 above	19	+ 7	0	−24	2589	+ 34	463	−119
	7. ENGLAND, N.W.	53	32	46·6	40·0	43·4	3 above	18	+ 6	6	−19	2780	− 28	411	−131
	8. ENGLAND, S.W.	51	23	46·9	39·3	43·3	2 above	20	0	8	−10	3036	−127	431	+ 24
	9. IRELAND, NORTH	53	36	48·9	42·3	45·7	5 above	26	+11	0	−23	2693	− 14	395	−101
	10. IRELAND SOUTH	54	38	50·3	43·6	47·1	5 above	36	+14	0	−17	3183	+ 60	325	− 44
	— CHANNEL ISLANDS	52	37	48·5	42·7	45·7	0 (average)	26	− 6	0	− 5	3680	− 79	64	− 77

Rainfall.

	DISTRICTS. (See p. 302.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	10	2 less	273	+49	50·2	+ 5·3
	1. SCOTLAND, EAST	4	2	4 less	214	+23	28·2	− 2·7
	2. ENGLAND, N.E.	1	less than half	5 less	166	−12	19·8	− 5·0
	3. ENGLAND, EAST	1	less than half	5 less	167	−11	19·7	− 4·2
	4. MIDLAND COUNTIES	2	1	5 less	171	+ 1	21·4	− 5·7
	5. ENGLAND, SOUTH	2	1	6 less	167	− 1	25·5	− 2·4
Principal Grazing Districts.	6. SCOTLAND, WEST	5	10	4 less	203	+ 3	44·5	− 5·2
	7. ENGLAND, N.W.	4	3	5 less	189	0	29·9	− 4·7
	8. ENGLAND, S.W.	3	2	8 less	182	− 9	31·5	− 6·3
	9. IRELAND, NORTH	6	9	0 (average)	233	+ 7	34·5	− 1·6
	10. IRELAND, SOUTH	5	8	3 less	209	+ 6	32·7	− 7·4
	— CHANNEL ISLANDS	4	2	7 less	209	+18	28·6	− 4·0

Bright Sunshine.

	DISTRICTS. (See p. 302.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	− 1	9	− 3	1134	+ 15	26	0
	1. SCOTLAND, EAST	6	− 2	12	− 4	1370	+ 35	31	+ 1
	2. ENGLAND, N.E.	6	+ 2	13	+ 4	1512	+ 99	35	+ 2
	3. ENGLAND, EAST	7	− 3	13	− 6	1639	+ 44	38	+ 1
	4. MIDLAND COUNTIES	4	− 5	8	− 9	1417	+ 23	33	+ 1
	5. ENGLAND, SOUTH	5	− 5	9	−10	1589	− 6	37	0
Principal Grazing Districts.	6. SCOTLAND, WEST	7	0	15	0	1493	+128	34	+ 3
	7. ENGLAND, N.W.	7	0	14	0	1480	+219	34	+ 5
	8. ENGLAND, S.W.	7	− 5	12	− 9	1571	− 38	36	− 1
	9. IRELAND, NORTH	8	0	15	0	1412	+153	32	+ 4
	10. IRELAND, SOUTH	6	− 5	11	− 9	1400	− 45	32	− 1
	— CHANNEL ISLANDS	7	− 6	12	−10	1737	−138	40	− 3

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was fair and dry over the greater part of England, but very changeable in Ireland and Scotland, and especially in the extreme west and north, where rain was frequent, and in some places rather heavy.

Temperature was above the mean in all districts excepting the Channel Islands, where it was just equal to the normal. Over Ireland and the northern parts of Great Britain the excess amounted to between 5° and 6°. The highest readings occurred, as a rule, on Wednesday or Thursday, when the thermometer over the country generally rose to between 51° and 54°. The lowest readings were registered at various times in the different districts, but mostly in the earlier half of the week, when frost occurred over the greater part of England. In the Midland Counties the thermometer fell to 26° and in England S.W. to 23°, but in the Channel Islands it did not go below 37°, while in Ireland S. it only went to 38°.

Rainfall was generally very deficient, excepting in the extreme west and north, where the total amount was not far short of the average. Over nearly the whole of England the fall was very slight, and in many places the week was absolutely rainless.

Bright Sunshine amounted to less than the average over the country generally, but was just equal to the normal over the entire north-western section of the United Kingdom, including Scotland W., England N.W., and Ireland N., and slightly in excess in England N.E. The percentage of the possible duration ranged from 15 in Scotland W. and Ireland N., and 14 in England N.W. to 9 in Scotland N. and England S., and to 8 in the Midland Counties.

Barometer and Wind. At the commencement of the week an anticyclone, previously existing over the more southern parts of our area, spread northwards in the form of a "ridge" over the North Sea, the wind being calm or variable over England, but Southerly in Ireland and Scotland. The high pressure system soon moved away, however, to the eastward, and on Monday and Tuesday a large depression spread eastwards over the United Kingdom, the wind being strong to a gale, at first from the Southward and afterwards from West or North-West. Later on, as this disturbance moved away to the north-eastward, a new anticyclone extended up from the south-western parts of the Continent, its central area being found over France and Germany in the latter half of the week. Cyclonic systems, in the meantime, continued to skirt our western and northern coasts and afterwards travelled on to Scandinavia, so that while the wind was light to moderate from the South-Westward over England, it was more Southerly in Ireland and Scotland, and occasionally blew with considerable strength in the extreme west and north.

4315 370 Wy. & S. Ltd. 12 | 05

II.—DATA from which the SUMMARY on page 301 has been calculated.

Districts. Dec. 17-23, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
O. SCOTLAND, N.	Sumburgh Head	48	35	45·4	40·4	43·0	+ 3·5	14	4	5	0·84	− 0·16	*	*	*	*
	Stornoway	50	37	48·3	40·6	44·6	+ 5·5	24	4	6	1·14	− 0·12	2·2	− 3·0	5	− 7
	Wick	50	35	47·3	38·9	43·3	+ 5·2	22	9	3	0·07	− 0·62	*	*	*	*
	Lairg ℌ	49	34	45·3	37·2	41·4	+ 6·8	9	20	6	0·46	− 0·44	*	*	*	*
	Glencarron ℌ	50	34	48·3	38·9	43·8	+ 7·1	26	9	5	2·26	− 0·02	*	*	*	*
	Fort Augustus ℌ	51	36	48·6	40·4	44·7	+ 6·8	26	4	5	1·19	− 0·01	3·6	+ 1·6	8	+ 4
1. SCOTLAND, E.	Nairn	52	35	48·3	39·0	43·8	+ 6·3	25	8	3	0·05	− 0·41	*	*	*	*
	Aberdeen	50	34	47·0	40·0	43·6	+ 5·9	20	6	3	0·27	− 0·43	5·7	− 3·0	13	− 7
	Braemar ℌ	50	32	44·9	37·7	41·4	+ 7·1	8	18	5	0·35	− 0·39	*	*	*	*
	Clathick ℌ	54	36	47·9	39·9	44·1	+ 7·2	24	6	6	0·66	− 0·34	*	*	*	*
	Leith	53	39	48·9	42·9	46·0	+ 6·8	28	0	2	0·05	− 0·38	*	*	*	*
	Marchmont ℌ	51	29	46·4	33·1	40·0	+ 3·6	12	36	3	0·08	− 0·59	5·6	− 1·7	12	− 4
2. ENGLAND, N.E.	Alnwick Castle	52	35	46·7	38·9	43·0	+ 4·8	20	9	1	0·02	− 0·64	*	*	*	*
	Durham	51	34	45·6	39·2	42·5	+ 5·3	15	8	1	0·02	− 0·55	9·6	+ 0·1	20	0
	Shields	54	37	47·9	39·9	44·1	+ 5·2	24	6	1	0·01	− 0·50	*	*	*	*
	Scarborough ℳ	51	35	47·0	39·6	43·5	+ 4·7	21	7	0	†0·01	− 0·59	2·5	—	5	—
	Spurn Head	50	37	45·4	39·0	42·3	+ 3·1	15	8	0	0·00	− 0·44	*	*	*	*
	Lincoln	52	33	45·9	36·7	41·5	+ 3·8	11	23	1	0·01	− 0·42	*	*	*	*
	Fulbeck (Lincolnshire)	51	34	44·8	37·7	41·4	+ 4·5	8	18	1	0·03	− 0·41	3·8	—	8	—
3. ENGLAND, E.	Hillington ℳ	50	30	45·7	37·3	41·7	+ 4·4	10	20	1	0·02	− 0·53	3·8	− 5·4	7	− 10
	Yarmouth	50	34	44·9	37·3	41·3	+ 3·1	8	20	1	0·03	− 0·52	*	*	*	*
	Geldeston	53	32	45·7	36·9	41·5	+ 3·2	10	22	2	0·05	− 0·41	7·5	− 3·3	14	− 6
	Cambridge	54	34	46·5	37·6	42·2	+ 4·5	20	12	2	0·03	− 0·37	8·9	− 0·4	17	− 1
	Felixstowe	51	35	45·5	37·5	41·7	+ 3·0	10	20	2	0·04	—	6·1	—	12	—
	Clacton-on-Sea	50	34	45·4	37·9	41·8	+ 2·4	10	18	0	0·00	—	6·3	—	12	—
	Rothamsted	51	32	45·6	36·8	41·4	+ 3·6	10	22	2	0·03	− 0·52	6·2	− 3·3	12	− 6
	Shoeburyness	50	33	46·7	38·1	42·6	+ 3·3	21	11	0	0·00	− 0·38	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	51	33	45·4	38·3	42·0	+ 5·1	10	10	4	0·20	− 0·50	7·1	—	14	—
	Bawtry (Hesley Hall)	54	35	47·4	39·0	43·4	+ 5·9	22	8	0	0·00	− 0·46	*	*	*	*
	Nottingham	53	31	46·0	36·7	41·5	+ 3·3	11	22	2	0·02	− 0·52	3·2	—	6	—
	Colly Weston (Stamford)	51	32	47·3	36·3	42·0	+ 4·8	15	16	3	0·08	− 0·39	*	*	*	*
	Cheadle ℳ	52	34	43·9	37·0	40·6	+ 3·8	5	20	4	0·19	− 0·60	*	*	*	*
	Birmingham (Edgbaston)	50	35	44·1	37·8	41·1	+ 2·6	6	17	2	0·05	− 0·45	1·9	—	4	—
	Shrewsbury	52	35	47·4	38·2	43·0	+ 3·8	23	11	1	0·05	—	*	*	*	*
	Hereford ℳ	52	26	45·8	36·1	41·1	+ 2·3	11	24	1	0·07	− 0·48	*	*	*	*
	Cirencester	50	29	44·9	35·4	40·3	+ 2·6	8	26	4	0·14	− 0·50	3·2	− 6·0	6	− 11
	Oxford	52	36	46·3	39·1	42·8	+ 4·1	18	8	1	0·04	− 0·43	5·4	− 4·0	10	− 8
	Westminster	51	35	47·1	40·0	43·7	+ 3·9	20	6	0	0·00	—	4·0	+ 1·0	8	+ 2
5. ENGLAND, S.	London (Brixton)	53	34	47·7	39·3	43·7	+ 4·4	23	8	0	0·00	− 0·48	3·4‡	− 1·2‡	6‡	− 2‡
	Wisley (Surrey)	50	30	45·9	38·4	42·3	+ 2·1	17	10	2	0·03	—	5·5	—	10	—
	Swarraton (Alresford) ℳ	49	28	45·1	37·1	41·3	+ 3·5	9	21	3	0·10	− 0·60	*	*	*	*
	Tunbridge Wells ℳ	48	33	44·9	37·6	41·4	+ 2·4	8	18	2	0·07	—	7·2	—	14	—
	Dungeness	49	34	47·0	40·7	44·0	+ 3·5	19	4	1	0·02	− 0·44	3·3	—	6	—
	Hastings (St. Leonards)	50	36	47·0	40·0	43·6	+ 3·0	20	6	2	0·08	− 0·57	3·6	− 9·3	7	− 17
	Southampton	53	34	47·5	39·8	43·8	+ 3·1	22	6	2	0·12	− 0·58	5·7	− 5·3	11	− 10
	Portland Bill	50	38	47·1	42·1	44·7	+ 2·2	19	0	1	0·05	—	*	*	*	*
	Shaftesbury ℳ	47	35	43·5	37·5	40·6	+ 3·4	4	18	2	0·10	− 0·61	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	53	38	49·8	42·0	46·1	+ 5·5	29	0	6	? 2·10	− 0·04	*	*	*	*
	Glasgow	50	39	47·0	42·9	45·0	+ 6·4	21	0	5	0·39	− 0·56	3·0	− 0·7	6	− 2
	Cally ℌ	48	38	45·2	39·9	42·7	+ 4·2	14	6	7	1·00	− 0·19	*	*	*	*
	Aspatria	49	34	46·1	40·6	43·5	+ 4·3	16	4	5	1·03	—	10·1	—	21	—
	Douglas (Isle of Man)	52	41	48·3	44·0	46·2	+ 4·7	29	0	4	0·33	− 0·73	8·5	0·0	17	0
7. ENGLAND, N.W.	Newton Rigg	51	35	46·0	39·1	42·7	+ 4·9	17	8	4	0·41	—	13·4	—	27	—
	Stonyhurst	48	35	44·8	38·9	42·0	+ 3·8	8	9	4	0·66	− 0·41	0·9	− 4·9	2	− 10
	Blackpool ℳ	49	35	45·9	40·4	43·3	+ 4·0	16	4	4	0·16	− 0·56	4·3	− 1·3	9	− 3
	Manchester (Prestwich)	50	36	45·5	39·1	42·4	+ 4·2	15	8	4	0·21	− 0·64	0·3	—	1	—
	Liverpool Obsy. (Bidston)	52	37	46·1	40·0	43·2	+ 3·1	17	6	4	0·13	− 0·46				
	Chester (Hawarden Bridge)	53	35	47·5	39·6	43·7	+ 2·8	22	7	2	0·07	—	*	*	*	*
	Llandudno ℳ	51	37	48·4	41·1	44·9	+ 3·1	24	3	3	0·22	− 0·47	14·0	+ 6·1	28	+ 12
	Holyhead	51	40	47·7	42·4	45·2	+ 2·1	22	0	4	0·35	− 0·53	*.	*	*	*
	Bettws-y-Coed	50	32	47·4	39·0	43·4	+ 1·6	22	8	4	0·54	—	6·0	—	12	—
8. ENGLAND, S.W.	Llangammarch Wells	48	23	44·7	34·6	39·9	+ 1·7	8	30	4	0·27	—	5·2	—	10	—
	Pembroke	51	42	49·7	44·1	47·0	+ 2·9	35	0	4	0·15	− 0·78	6·1	− 3·9	12	− 7
	Cardiff	51	29	46·6	37·6	42·3	+ 1·3	21	12	3	0·26	—	*	*	*	*
	Clifton	50	32	46·0	39·6	42·9	+ 3·1	16	7	3	0·10	− 0·66	*	*	*	*
	Bath	51	30	47·0	37·1	42·3	+ 2·7	23	14	1	0·06	− 0·61	4·7	—	9	—
	Arlington (N. Devon)	48	35	45·4	38·4	42·0	+ 1·7	10	10	4	0·44	− 0·92	*	*	*	*
	Cullompton ℳ	49	30	46·6	37·8	42·4	+ 3·2	20	12	3	0·17	− 0·67	3·3	− 5·4	6	− 10
	Falmouth	51	41	48·3	43·5	46·0	+ 1·4	28	0	3	0·20	− 1·06	8·6	− 3·8	16	− 7
	Plymouth	51	34	48·2	41·4	44·9	+ 2·0	23	2	3	0·24	− 0·70	5·0	− 6·4	9	− 12
9. IRELAND, N.	Malin Head	50	39	47·3	41·6	44·6	+ 2·9	20	1	5	0·47	− 0·29	*	*	*	*
	Edenfel (Omagh)	51	36	48·0	40·0	44·2	+ 6·5	24	6	6	0·80	− 0·05	*	*	*	*
	Blacksod Point	53	39	51·6	44·6	48·2	+ 5·1	43	0	6	1·85	+ 0·48	*	*	*	*
	Markree Castle	52	38	49·6	43·4	46·6	+ 7·2	32	0	6	1·30	+ 0·34	7·2	− 0·4	14	− 1
	Armagh	51	37	48·5	41·9	45·3	+ 6·6	24	0	5	0·49	− 0·17	7·9	− 0·3	16	− 1
	Donaghadee	52	38	48·3	42·0	45·3	+ 4·1	23	0	6	0·42	− 0·24	*	*	*	*
10. IRELAND, S.	Dublin	54	40	50·5	44·5	47·6	+ 6·0	39	0	3	0·36	− 0·17	8·3	− 3·7	16	− 7
	Birr Castle	52	38	49·7	41·6	45·8	+ 6·1	28	1	6	0·56	− 0·15	5·8	− 4·4	11	− 9
	Kilkenny	52	39	49·9	42·4	46·3	+ 5·6	30	0	4	0·70	− 0·06	*	*	*	*
	Waterford	51	40	49·9	42·6	46·4	+ 5·2	31	0	3	0·53	− 0·50	*	*	*	*
	Roche's Point	51	42	50·1	45·3	47·8	+ 3·7	41	0	6	0·44	− 0·80	*	*	*	*
	Valencia	53	43	51·4	45·3	48·5	+ 3·2	46	0	6	1·04	− 0·39	3·2	− 6·3	6	− 12
	Killarney	53	39	51·1	43·5	47·5	+ 4·0	39	0	5	1·62	− 0·02	*	*	*	*
	Foynes	52	40	50·1	43·8	47·1	+ 5·2	36	0	5	0·85	− 0·18	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	52	44	50·7	44·9	47·9	+ 0·8	41	0	4	0·18	− 0·77	10·2	− 2·7	19	− 5
	Jersey (St. Aubyn's)	51	37	46·3	40·4	43·5	− 0·3	17	4	4	0·25	− 0·61	5·6	− 8·5	10	− 15

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked ℌ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32* additional stations will be found in a Table on the last page of this issue.

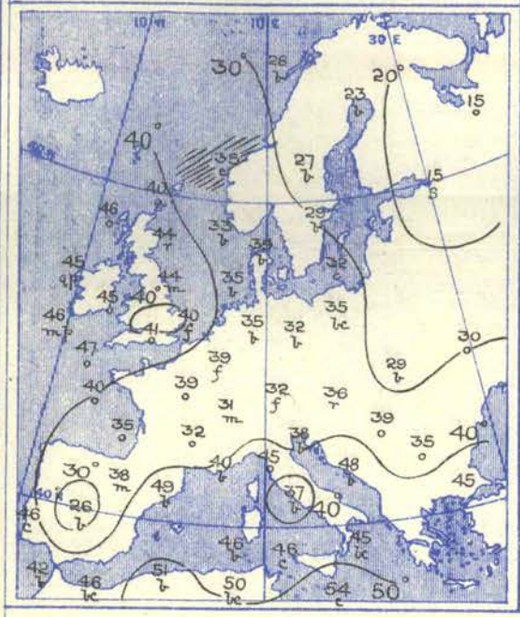
‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

Note.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

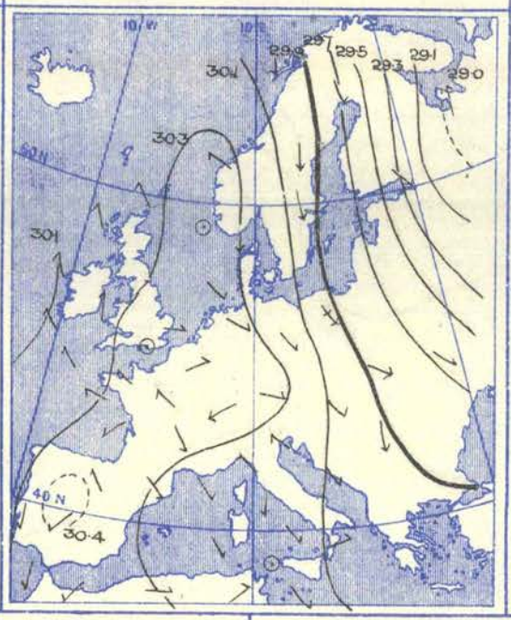
† Fog or mist.

Sunday, 17th December, 1905.

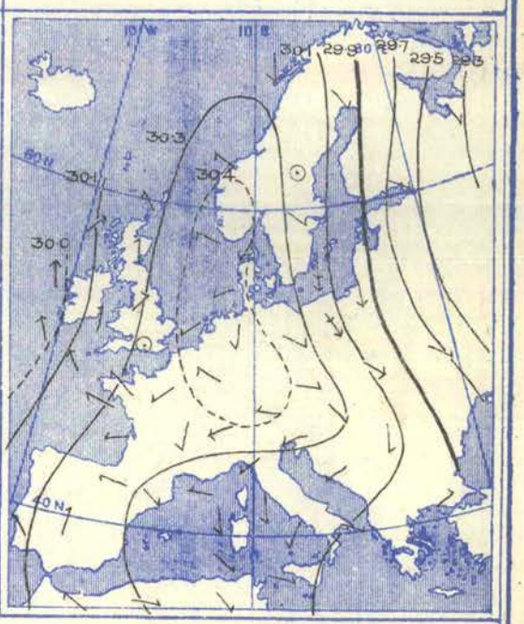
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in nearly all parts of Scandinavia, Denmark, Germany, and throughout southern Europe and Algeria. Dull in most other regions, with showers in the west of Ireland, and rain at the Helder, Aix-la-Chapelle, and Vienna, snow at St. Petersburg, and fog at Munich and in Belgium. A considerable amount of rain falling later at La Calle, and slight quantities at a few isolated stations in Europe.

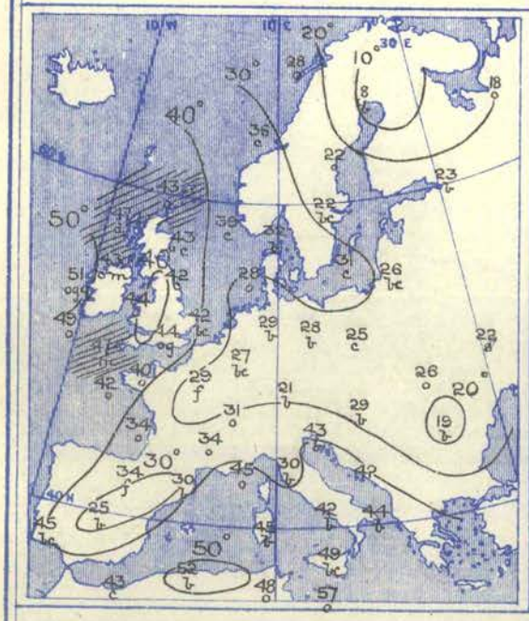
Temperature changed irregularly; morning readings about 50° at two or three stations on the shores of the Mediterranean, but below 40° in nearly all Continental localities, and below 32° in central Spain, many parts of France, Scandinavia, and apparently the whole of Russia. Lowest value, 15° at Archangel and St. Petersburg. Thermometer remaining below the freezing point all day at Limoges and Stockholm, and not much exceeding it over the central and more northern countries generally. Maxima 50° on our extreme west coasts, and a little higher at several stations in the far south of our area; as high as 64° at Algiers.

Wind in morning light from the Southward in the west and north of this country and moderate to very strong from the Northward over the eastern half of the Continent; a gale prevailing at Wisby and Neufahrwasser. Light and rather variable breezes over the intervening area, and also over the Mediterranean. Southerly current increasing in strength later on our western and north-western coasts, and extending more over the country. Scarcely any change taking place on the Continent.

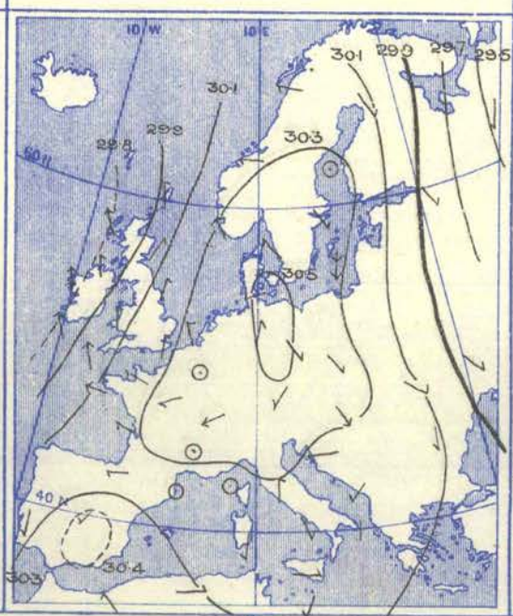
Barometer at 8 a.m. above 30·4 ins. over central Spain, and above 30·3 ins. in a large area extending thence to the west of Norway. Below 30·1 ins. off our own western coasts and less than 29·1 ins. over the northern regions of Russia. Gradients very slight in the west, moderate to steep in the east and north-east. Pressure giving way steadily along our western coasts during day, and anticyclone taking up a position further to the eastward.

Monday, 18th December, 1905.

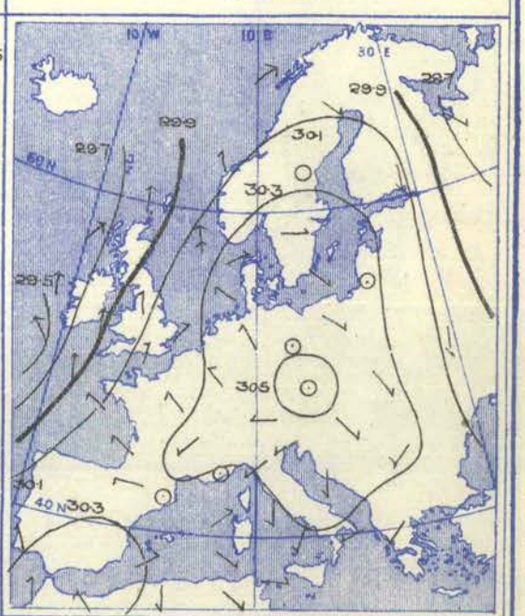
Temperature and Weather 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine in almost all the central and southern regions, and also in the south of Scandinavia. Cloudy or quite overcast elsewhere, with fog at Paris and Biarritz, drizzling rain at Nottingham and Stornoway, and snow at Kieff. Rain falling later in the north and west of our Islands—as much as 0·6 in. at Valencia, and 0·9 in. at Blacksod Point. Thunderstorm occurring at Perpignan, but weather remaining dry on the Continent generally, except in Portugal and Brittany.

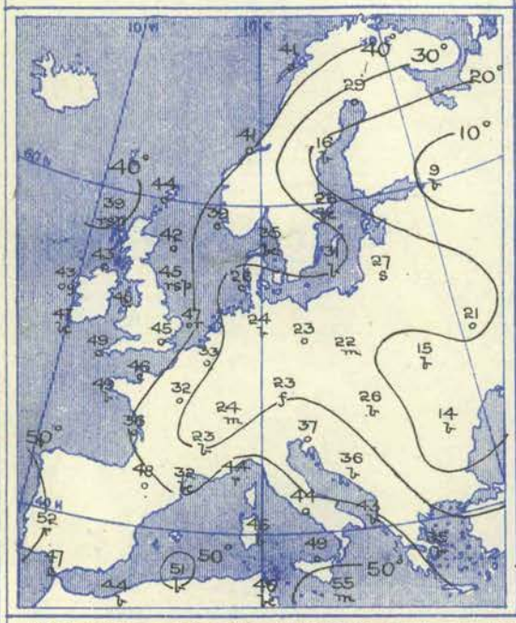
Temperature risen over these Islands, Norway, and the north of Russia, fallen elsewhere. Readings in morning as high as 57° at Malta, and about 50° at a few other southern stations and on our most western coasts. As low as 8° at Haparanda, 18° at Archangel, 19° at Hermanstadt, 22° at Kieff, and 25° at Madrid. Only 35° at Rome, and 34° at Biarritz and Rochefort. Maxima about 60° at a few places in the extreme south, but less than 40° over the Continent as a whole, and below 32° at many inland stations.

Wind at 8 a.m. moderate to strong from some Southerly point over the United Kingdom (a gale at Blacksod Point); Northerly over the Baltic and the eastern portion of our area, and Northerly or North-Easterly over the south of Europe. Blowing with little force generally, but a gale prevailing at some of the Baltic stations. A considerable increase of force later in the west and north-west of this country, and also in Norway, but gales in the Baltic subsiding.

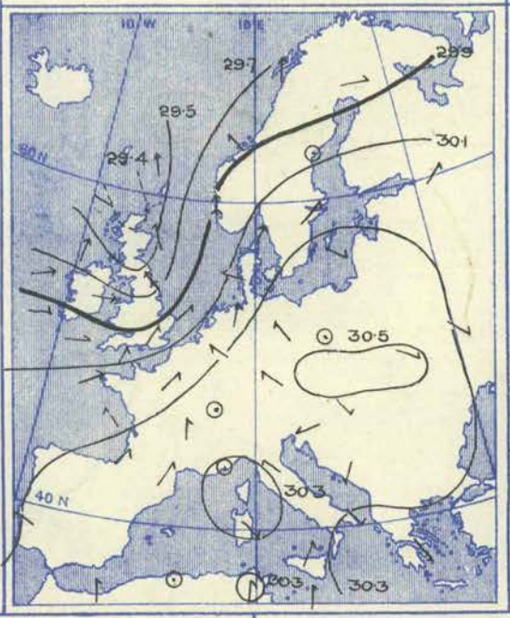
Barometer in morning highest, above 30·5 ins. in the nucleus of an anticyclone covering Denmark and the adjacent portion of Germany, and above 30·4 ins. in another maximum over central Spain. Lowest 29·6 ins. in the north of Russia, and below 29·8 ins. off our western coasts. Both high pressure systems receding eastwards during day, and barometer falling over all the western countries, very briskly in Ireland. Gradients becoming rather steep over the Bay of Biscay and our own western districts, and increasing somewhat over western Europe generally.

Tuesday, 19th December, 1905.

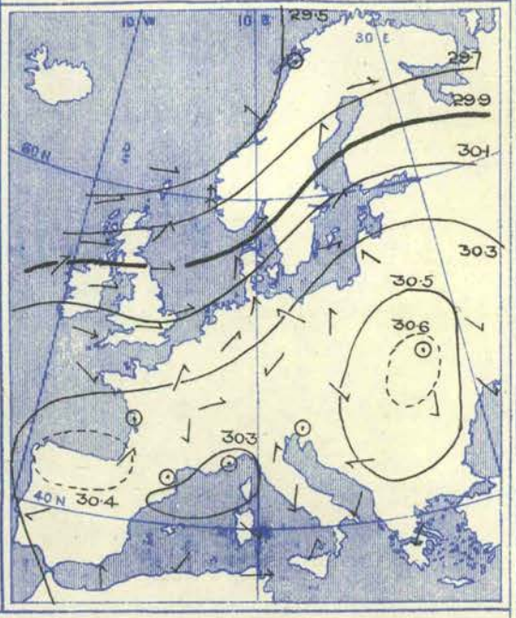
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fair or fine and bright in several parts of Scandinavia and in most of the southern regions, and also at a few of our own stations. Cloudy or entirely overcast elsewhere, with sleet at Stornoway, rain on the shores of the Irish Sea and at Lisbon and Nice, and snow at Memel. Slight amounts of rain later over the western parts of the United Kingdom and France, the Low Countries, and Norway.

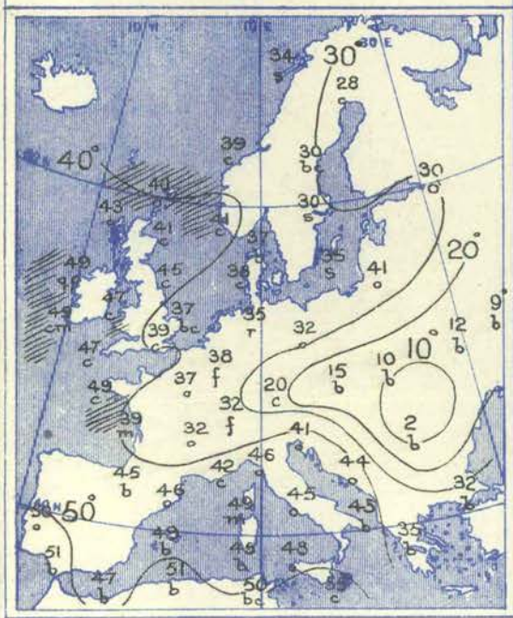
Temperature risen in the north of Scandinavia, most parts of Great Britain, France, and Portugal; fallen in other localities. Readings at 8 a.m. 55° at Malta, 52° at Lisbon, and 51° at Algiers. Below the freezing point over the greater portion of the Continent; lowest values 15° at Lemberg, 14° at Hermanstadt, and 9° at St. Petersburg. Rising subsequently to 51° in London and at some other places in this country, to about 54° in the west and south of France and at Brindisi, to 60° at Malta and to 61° in Algeria. Thermometer remaining some degrees below the freezing point in central Europe and in the north of Russia.

Wind in morning fresh or strong from between West and South over the United Kingdom and strong to a gale from South in Norway. Light anticyclonic airs prevailing in most Continental regions. Not much change by evening except a veering and decrease in force over this country.

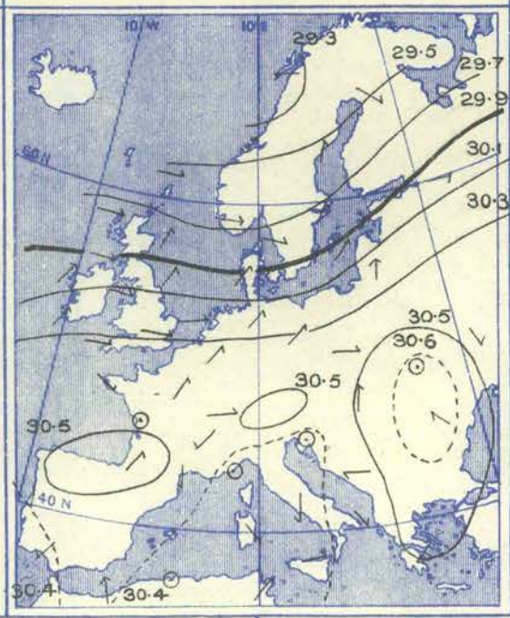
Barometer at 8 a.m. above 30·4 ins. in an extensive anticyclonic system having its maximum over the centre of Europe, below 30·3 ins. in a very shallow depression covering the islands of Sardinia and Corsica, and less than 29·4 ins. in a more important disturbance centred off the north coast of Scotland. Gradients steep over the North Sea and rather so over the north and west of our Islands. Anticyclone and northern depression both travelling eastwards during day and a second maximum appearing over the north of Spain and the adjacent portion of the Bay of Biscay. Gradients continuing steep over Scandinavia, but decreasing over our Islands.

Wednesday, 20th December, 1905.

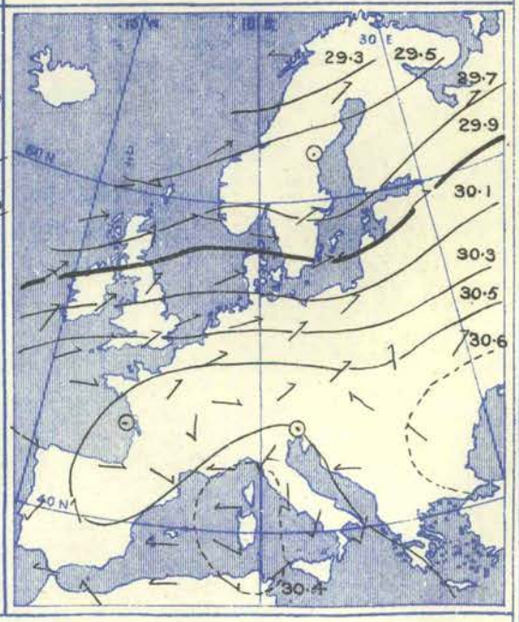
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast in most regions, with snow in various parts of Scandinavia, rain at some of our western and north-western stations, and fog at Brussels, Prague, and Vienna. Fair or fine in most southern regions, and in a few isolated localities elsewhere. Small quantities of rain falling later in Denmark, Wales, and Ireland, and larger quantities in Norway; weather continuing dry as a whole.

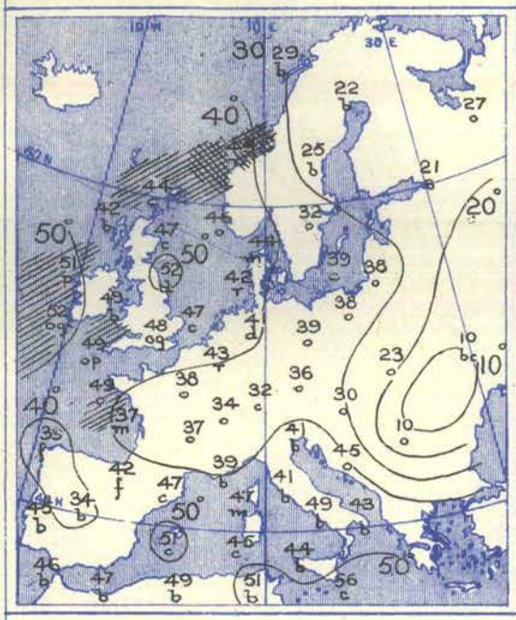
Temperature risen generally, fallen in the eastern portion of central Europe, the west of France, and north-west of Norway. Morning readings ranging from 55° at Malta and 50° in the south of Spain to below 30° in most of the central and northern regions of the Continent. Lowest values 20° at Munich and Buda-Pesth, 9° at Kieff, and 2° at Hermanstadt. Severe frost continuing all day in Austria-Hungary, and the thermometer only just rising above 32° in the east of France. Maxima about 50° in the west and north of France and in many parts of these Islands, and about 60° at some stations in the far south of our area.

Wind light or moderate to fresh from the Westward over all the more northern countries, and light and variable elsewhere. Little change occurring later in day, but wind backing somewhat in the north of Ireland and increasing in force to a moderate or fresh gale.

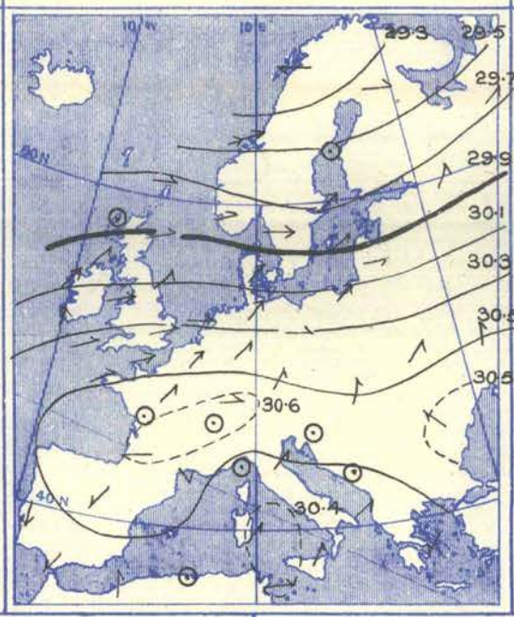
Barometer in morning highest, 30·5 ins. to 30·6 ins. and upwards, in a large area extending from the Spanish Peninsula to the Black Sea. Lowest, less than 29·3 ins., in a depression centred off the north-west of Norway, gradients moderate generally, but slight in the more southern regions. A decided fall of the barometer in the Hebrides causing a steepening of the gradient over these islands by evening, but scarcely any modification taking place in the general distribution of pressure.

Thursday, 21st December, 1905.

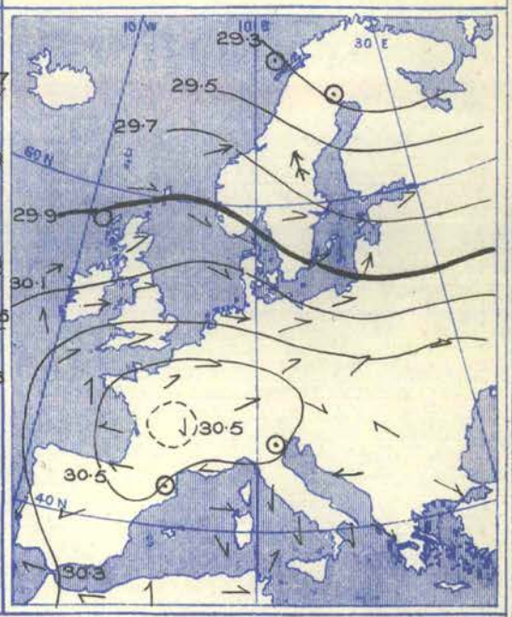
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in nearly all parts of southern Europe and also in the north of Scandinavia; cloudy or overcast in other regions, but dry except at some of our extreme western stations and at Brussels and St. Petersburg—snow falling at the latter station. Slight falls of rain experienced later over the more northern and western parts of our Islands, and in some of the northern regions of the Continent.

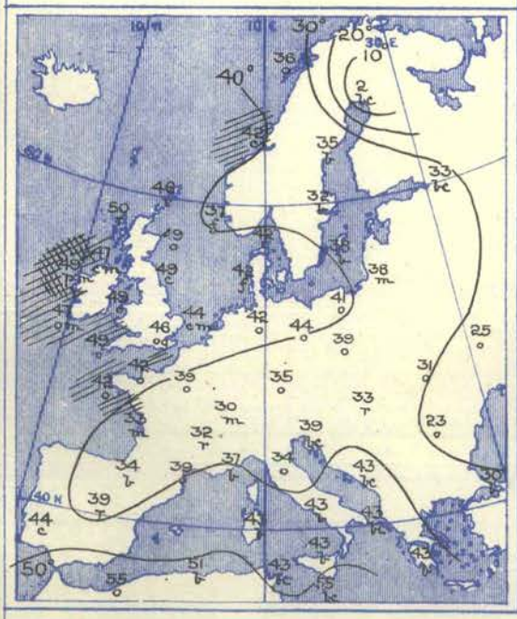
Temperature risen except in some southern regions and the most northern portion of our area. Morning readings ranging from 56° at Malta and about 50° in most British and Irish localities, to below the freezing point in many parts of the Continent. Lowest values, 22° at Haparanda, 21° at St. Petersburg, and 10° at Kieff and Hermanstadt. Rising subsequently to 66° at Nemours, 64° at Algiers, and 61° at Malta. Maxima above 50° in most parts of the United Kingdom, but much lower over the central and northern Continental countries. Frost continuing all day at Lemberg and Turin.

Wind in morning mainly Westerly over the northern half of Europe; fresh or strong in force in this country and Norway generally, and blowing a gale at Christiansund. Light cyclonic airs prevailing over the Mediterranean and Italy. Little change later in day except the springing up of a Southerly gale at Hernösand.

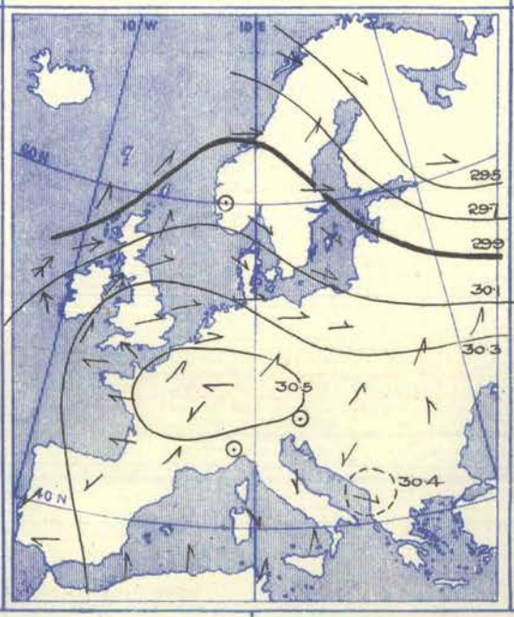
Barometer at 8 a.m. as high as 30·6 ins. in the nucleus of an anticyclone lying over the south of Germany and the central departments of France. Below 30·4 ins. in a very shallow depression over the Mediterranean, and less than 29·3 ins. in a large system over the north of Scandinavia. Northern depression travelling eastwards during day, and barometer rising over the greater portion of our area; extremely little change taking place in the general distribution of pressure.

Friday, 22nd December, 1905.

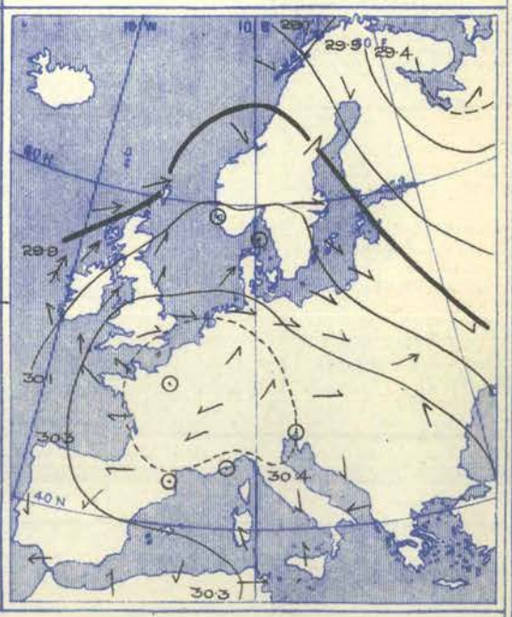
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or overcast over the greater portion of our area, with rain on our own extreme northern coasts, as well as at Madrid, Vienna and Buda Pesth. Fine and bright in Sweden, and nearly all parts of southern Europe. Rain falling later in the extreme west and north of these Islands, as well as at many of the German stations.

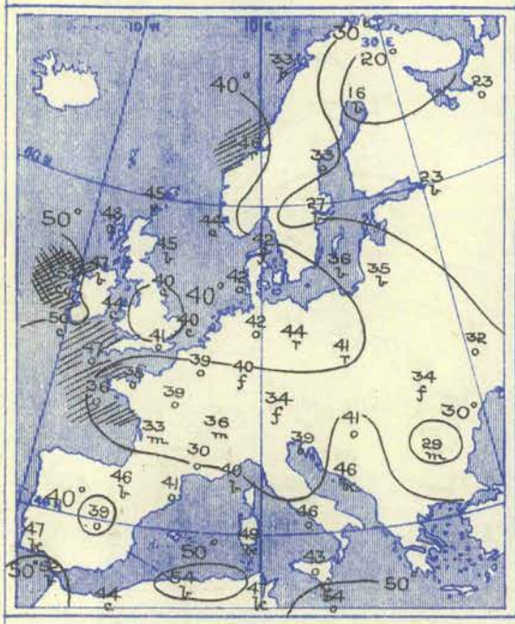
Temperature risen in Scotland, and also over Russia, Germany, and Austria, fallen elsewhere. Morning readings highest 55° at Malta and Nemours, but as high as 50° at some Scotch stations. Below 40° over northern, eastern, and central Europe generally, and below the freezing point in places. Lowest readings, (1) 2° at Haparanda, (2) 23° at Hermanstadt, and 25° at Kieff. Rising during day to 50° or slightly above it at many of our own western and northern stations, exceeding 55° over southern Italy, and exceeding 60° on the Algerian coasts.

Wind at 8 a.m. fresh or strong from the Southward or South-Westward in Ireland and Scotland, and moderate to strong from the Westward over Scandinavia. Light or moderate from some Westerly point over England and the central parts of the Continent, and light and variable over the Mediterranean region. No important change occurring during day.

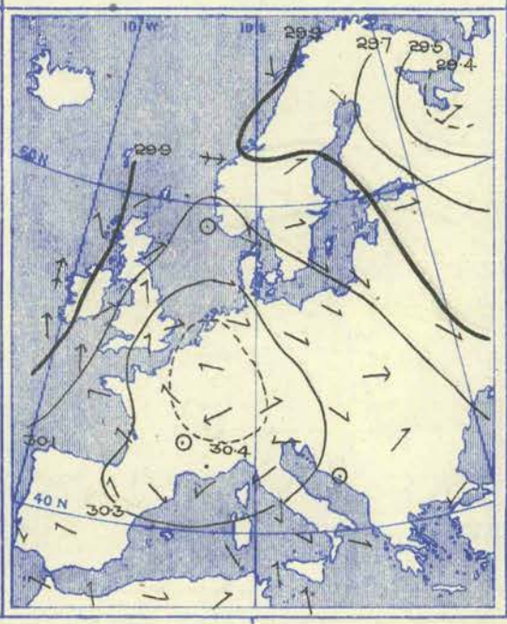
Barometer in morning highest, above 30·5 ins. in an anticyclone centred over France and Germany, and lowest, less than 29·5 ins in a depression over the extreme north of Russia; gradients very slight generally, but moderate over the northern countries. Anticyclone decreasing slightly in intensity during day; general distribution of pressure remaining unchanged.

Saturday, 23rd December, 1905.

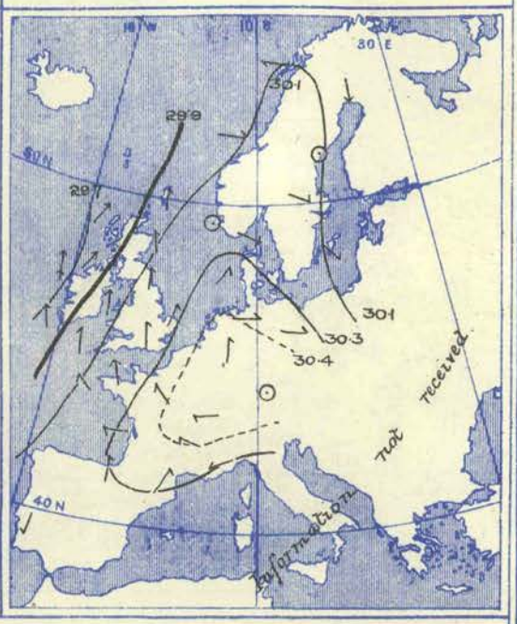
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather varying considerably over our Islands and on the Continent, with mist and fog over central Europe, and rain at Christiansund and in some parts of Germany and Austria. Rain later over Ireland and the north-west of Scotland, as well as at Christiansund.

Temperature risen a little in Ireland, and also at many southern European stations, fallen in most other places. Morning readings, highest, (1) 54° at Malta and Algiers, 52° at San Fernando, 50° at La Calle, (2) 52° at Blacksod Point, and 50° at Valencia and Roche's Point. Lowest, (1) 16° at Haparanda, 23° at Archangel and St. Petersburg, 27° at Stockholm, 28° at Karlstad, (2) 26° at Limoges and Turin, and 30° at Lyons. Rising subsequently to 52° at Blacksod Point, and to 50° at many western stations, and also at Nice.

Wind Easterly to South-Easterly over France and the English Channel, Southerly to Westerly over our Islands and to the eastward of the North Sea, variable over southern Europe. The Southerly wind blowing strongly over all our western districts, and reaching the force of a gale at Blacksod Point. No material change later.

Barometer, highest, 30·4 ins. and upwards in a high pressure system over eastern France, Switzerland, and western Germany. Lowest, 29·4 ins., and less in a depression near the White Sea, and 29·9 ins. and less off the Atlantic coasts of Scotland and Ireland. No important change later beyond a further decrease in pressure over our Islands generally.

IV.—GENERAL NOTES, etc.

During the early part of the period a well-marked area of high pressure occupied the greater portion of the western half of Europe, extending from Morocco to northern Scandinavia. A very deep depression over northern Russia was at this time occasioning fresh or strong Northerly gales along the shores of the Baltic, while disturbances well out on the Atlantic were causing increasing Southerly and South-Westerly winds on our western coasts, a gale in places. Gradually the anticyclone altered its position, and from the middle of the week it extended from west to east across the Continent, from Portugal and the Bay of Biscay to Asia Minor and southern Russia. On several days the barometer within the system was above 30·5 ins., and on Wednesday was as high as 30·7 ins. in Transylvania. With the change in position of the anticyclone the conditions became more disturbed over the British Isles and northern Europe, depressions from the Atlantic bringing moderate to fresh Southerly to Westerly gales to our own and the Scandinavian coasts, a strong gale occasionally at Christiansund, and a whole gale at Blacksod Point on Saturday. In the anticyclonic region the winds were usually very light.

The weather was of a very variable character, many Continental districts reporting a prevalence of clear skies, while several localities were visited by a good deal of fog, and rain or snow was experienced here and there, but only in small quantities. Temperature also was generally low, severe frost being registered in many places, a minimum of -2° at Hernösand on Tuesday, + 1° at Hermanstadt on Wednesday, and 0° at Haparanda on Saturday. Over the United Kingdom, on the other hand, the week was throughout soft and humid, there being hardly any records of temperature as low as the freezing point, the nights usually being exceedingly mild. There was considerable cloud and dulness, but fog was almost wholly absent and with the exception of a heavy fall of rain in Ireland on Monday the precipitation was mostly in the form of light showers.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 302.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	3·3	- 2·3	8	- 6	CROMER	6·5	—	13	—	VENTNOR HOSPITAL	5·1	- 5·7	9	- 11
STRATHPEFFER SPA	6·0	- 0·9	14	- 2	LOWESTOFT	7·2	—	14	—	BOURNEMOUTH	6·6	—	12	—
CRATHES	6·3	—	14	—	DUNMOW	—	—	—	—	MARLBOROUGH	—	—	—	—
BALRUDDERY	5·3	—	12	—	SHEFFIELD	—	—	—	—	SOUTHPORT	4·8	—	10	—
EDINBURGH	4·5	- 0·6	10	- 1	WORKSOP	3·3	- 3·6	7	- 7	RHYL	—	—	—	—
COCKLE PARK	11·1	—	23	—	MARGATE	4·3	- 6·0	8	- 11	ABERDOVEY	10·6	—	20	—
NEWCASTLE-on-TYNE	5·3	—	11	—	RAMSGATE	5·9	—	11	—	ABERYSTWYTH	12·2	—	23	—
SALTBURN-by-the-SEA	7·4	—	15	—	EASTBOURNE	2·9	- 9·3	5	- 17	TENBY	6·1	- 3·8	12	- 7
YORK	—	—	—	—	BRIGHTON	4·6	- 6·8	9	- 13	TORQUAY	6·1	- 5·8	11	- 11
SKEGNESS	3·3	—	7	—	WORTHING	5·2	—	10	—	NEWQUAY	6·7	- 4·5	12	- 8
					BOGNOR	8·6	—	15	—	GUERNSEY	4·2	- 6·1	8	- 11

Reports received too late for insertion in their proper places.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 45, page 270	Saltburn-by-the Sea	—	—	—	—	—	—	—	—	—	—	—	19·4	—	32	—
,, 45, ,, 270	Rhyl	—	—	—	—	—	—	—	—	—	—	—	22·8	—	37	—
,, 46, ,, 272	Tunbridge Wells	52	28	42·4	35·3	38·9	-4·6	1	24	5	1·01	—	13·1	—	22	—
,, 48, ,, 288	Dunmow	—	—	—	—	—	—	—	—	—	—	—	6·6	—	12	—
,, 49, ,, 294	Saltburn-by-the-Sea	—	—	—	—	—	—	—	—	—	—	—	16·7	—	33	—

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., DIRECTOR.

PUBLISHED BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

TWENTY-EIGHTH YEAR. *Vol. XXII. (New Series.)* No. 52. FIFTY-SECOND WEEK, ENDING SATURDAY, DECEMBER 30TH, 1905. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 30 years' observations (1871-1900). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the twenty years 1881-1900. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty-five years 1866-1900, but the *Mean numbers of Rainy Days* are those for the thirty years 1871-1900 only. BRIGHT SUNSHINE.—*The Mean Values* employed are those for the corresponding periods in the twenty years 1881-1900.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface.

Temperature of the Air.

	DISTRICTS. (See p. 308.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From January 1st, 1905. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	50	20	41·5	32·6	37·2	0 (average)	0	− 7	34	+ 2	2030	+ 1	692	−111
	1. SCOTLAND, EAST	51	20	41·5	31·9	37·0	0 (average)	0	− 7	36	− 3	2335	− 45	762	−148
	2. ENGLAND, N.E.	50	28	42·8	35·0	39·1	1 above	2	− 7	26	− 8	2769	+150	593	−128
	3. ENGLAND, EAST	46	26	42·5	35·3	39·1	1 above	1	− 8	25	−12	3101	+ 81	605	−186
	4. MIDLAND COUNTIES	52	29	42·0	33·8	38·1	0 (average)	0	−10	27	−12	2909	− 57	682	−143
	5. ENGLAND, SOUTH	50	26	44·5	37·6	41·2	2 above	7	− 7	18	−11	3163	−195	486	− 87
Principal Grazing Districts.	6. SCOTLAND, WEST	51	25	43·8	36·1	40·1	1 above	5	− 6	23	− 3	2594	+ 28	486	−122
	7. ENGLAND, N.W.	51	29	43·6	35·1	39·5	0 (average)	4	− 8	26	0	2784*	− 36	437	−131
	8. ENGLAND, S.W.	50	22	45·8	39·1	42·6	2 above	16	− 2	8	−11	3052	−129	439	+ 13
	9. IRELAND, NORTH	52	30	46·5	40·3	43·5	3 above	18	+ 4	5	−18	2711	− 10	400	−119
	10. IRELAND SOUTH	56	31	49·6	43·2	46·5	4 above	32	+10	0	−18	3215	+ 70	325	− 62
	— CHANNEL ISLANDS	53	37	49·0	42·9	46·0	1 above	28	− 1	0	− 7	3708	− 80	64	− 84

Rainfall.

	DISTRICTS. (See p. 308.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From January 1st, 1905. No. of Rainy days.	Difference from Mean.	Total Fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	2	1	11 less	275	+46	50·3	+ 4·2
	1. SCOTLAND, EAST	4	4	2 less	218	+24	28·6	− 2·9
	2. ENGLAND, N.E.	3	3	2 less	169	−13	20·1	− 5·2
	3. ENGLAND, EAST	3	4	1 less	170	−12	20·1	− 4·3
	4. MIDLAND COUNTIES	3	3	2 less	174	+ 1	21·7	− 5·9
	5. ENGLAND, SOUTH	3	2	4 less	170	− 2	25·7	− 2·8
Principal Grazing Districts.	6. SCOTLAND, WEST	3	9	4 less	206	+ 2	45·4	− 5·6
	7. ENGLAND, N.W.	3	3	5 less	192	− 1	30·2	− 5·1
	8. ENGLAND, S.W.	3	3	3 less	185	−10	31·8	− 6·9
	9. IRELAND, NORTH	5	9	1 more	238	+ 7	35·4	− 1·5
	10. IRELAND, SOUTH	4	10	0 (average)	213	+ 5	33·7	− 7·4
	— CHANNEL ISLANDS	4	7	2 less	213	+12	29·3	− 4·2

Bright Sunshine.

	DISTRICTS. (See p. 308.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From January 1st, 1905. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	10	+ 5	22	+10	1144	+ 20	26	0
	1. SCOTLAND, EAST	7	− 4	7	− 8	1373	+ 31	31	+ 1
	2. ENGLAND, N.E.	7	− 2	13	− 5	1519	+ 94	35	+ 2
	3. ENGLAND, EAST	6	− 4	11	− 8	1645	+ 40	37	+ 1
	4. MIDLAND COUNTIES	7	− 2	13	− 4	1424	+ 21	32	+ 1
	5. ENGLAND, SOUTH	7	− 3	13	− 5	1596	− 9	36	0
Principal Grazing Districts.	6. SCOTLAND, WEST	9	− 2	18	− 4	1502	+126	34	+ 3
	7. ENGLAND, N.W.	11	+ 4	21	+ 8	1492	+223	34	+ 5
	8. ENGLAND, S.W.	8	− 4	15	− 8	1579	− 43	36	− 1
	9. IRELAND, NORTH	6	− 2	13	− 4	1418	+151	32	+ 4
	10. IRELAND, SOUTH	5	− 6	10	−11	1405	− 51	32	− 1
	— CHANNEL ISLANDS	14	+ 2	25	+ 3	1751	−136	40	− 3

* This value has been altered owing to the receipt of further information.

Bright Sunshine.—For certain of the Districts the values of Bright Sunshine in this Table are based on the records from a part only of the Stations included in the Tables under II. and IV. For certain of the Stations Mean Values are not available, and for the Districts containing these Stations the "Differences from Mean" are based on the records from a smaller number of Stations than those supplying the values for "Hours Recorded."

General Remarks.

Weather was generally mild and rather dull over the Kingdom as a whole, but rain was neither heavy nor frequent over England; in the Channel Islands and Scotland E. small amounts fell on four days, and in Ireland somewhat larger quantities on four or five days.

Temperature was above the mean in most districts, equal to it in Scotland N. and E., England N.W., and the Midland Counties, and slightly below it in Scotland E. In Ireland S. the excess was as much as 4°. The highest of the maxima were registered early in the week, and were 50° or above in every district except England E. In Ireland S. the thermometer rose to 56°. During the early part of the week the minima were very high for the time of year, but they became much lower some days later, and towards the close of the period they ranged from 20° in Scotland N. and E. and 22° in England S.W., to 31° in Ireland S., and to 37° in the Channel Islands.

Rainfall was considerably in defect over Great Britain, but equalled the mean in Ireland S., and exceeded it in Ireland N.

Bright Sunshine exceeded the normal in the Channel Islands, Scotland N., and England N.W., but in all other districts there was a deficiency. The percentage of the possible duration ranged from 25, 22, and 21 respectively in the three districts just named, to 10 in Ireland S., and to 7 in Scotland E.

Barometer and Wind. During the earlier part to the week depressions skirted our Islands, travelling in a general north-easterly direction over the Atlantic, and the barometer being highest on the Continent the winds over this country were mainly from the Southward. By Friday morning a great change had been brought about by a depression whose central space had by 8 a.m. reached the Straits of Dover from the West-South-Westward. The system was not very deep, however, and the wind possessed little force. At the end of the period pressure became highest over Scandinavia and the Spanish Peninsula, while a deep Atlantic disturbance was spreading gradually over Ireland at the same time that the barometer was rising decidedly over the northern and central countries of the Continent and on our own eastern coasts. Gradients consequently increased quickly, and gales from between East and South became very general over the western parts of these Islands.

4353 370 Wy. & S. Ltd. 1 | 06

II.—DATA from which the SUMMARY on page 307 has been calculated.

Districts. Dec. 24-30, 1905.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.	Hrs.		%	
0. SCOTLAND, N.	Sumburgh Head	46	34	43·3	37·9	40·7	+ 1·3	4	16	5	0·10	− 0·86	*	*	*	*
	Stornoway	45	29	42·4	33·7	38·2	− 0·9	1	30	1	0·08	− 1·14	14·2	+ 8·7	32	+ 20
	Wick	47	25	43·4	36·1	39·9	+ 1·9	4	23	2	0·10	− 0·55	*	*	*	*
	Lairg Ⓢ	47	20	39·4	26·8	33·4	− 1·4	0	60	2	0·14	− 0·74	*	*	*	*
	Glencarron Ⓢ	50	26	40·7	29·4	35·3	− 1·4	0	47	2	0·17	− 2·10	*	*	*	*
	Fort Augustus Ⓢ	47	24	40·0	31·5	35·9	− 2·1	0	43	1	0·11	− 1·05	8·3	+ 5·8	18	+ 13
1. SCOTLAND, E.	Nairn	45	20	37·4	28·9	33·3	− 4·2	0	61	3	0·06	− 0·40	*	*	*	*
	Aberdeen	45	29	43·6	36·3	40·1	+ 2·4	4	22	6	0·17	− 0·48	1·8	− 7·9	4	− 18
	Braemar Ⓢ	42	20	37·1	25·6	31·6	− 2·8	0	73	2	0·21	− 0·51	*	*	*	*
	Clathick Ⓢ	44	26	41·6	32·8	37·4	+ 0·6	0	32	4	0·80	− 0·22	*	*	*	*
	Leith	50	31	45·1	35·9	40·7	+ 1·5	9	25	4	0·63	+ 0·21	*	*	*	*
	Marchmont Ⓢ	51	23	44·3	32·1	38·4	+ 2·0	6	38	5	0·60	− 0·06	4·6	− 3·2	10	− 7
2. ENGLAND, N.E.	Alnwick Castle	49	28	44·2	35·1	39·8	+ 1·8	6	27	3	0·39	− 0·24	*	*	*	*
	Durham	49	32	41·3	34·3	37·9	+ 0·9	0	29	3	0·39	− 0·15	7·4	− 2·3	15	− 5
	Shields	50	33	44·7	34·9	40·0	+ 1·3	8	28	3	0·12	− 0·35	*	*	*	*
	Scarborough Ⓜ	48	33	44·6	36·0	40·5	+ 1·9	7	24	4	0·33	− 0·24	7·7	—	15	—
	Spurn Head	45	33	42·9	36·1	39·6	+ 0·9	3	22	2	0·20	− 0·21	*	*	*	*
	Lincoln	45	32	41·5	34·2	38·0	+ 0·6	0	28	4	0·33	− 0·08	*	*	*	*
	Fulbeck (Lincolnshire)	45	31	40·7	34·3	37·6	+ 0·8	0	31	2	0·27	− 0·15	4·3	—	8	—
3. ENGLAND, E.	Hillington Ⓜ	43	30	41·0	33·5	37·4	+ 0·3	0	32	5	0·37	− 0·16	6·5	− 3·0	13	− 6
	Yarmouth	44	33	41·6	36·6	39·2	+ 1·4	0	20	3	0·53	+ 0·01	*	*	*	*
	Geldeston	45	26	41·7	33·9	38·0	− 0·2	0	28	3	0·62	+ 0·18	4·4	− 6·8	9	− 13
	Cambridge	46	29	43·6	34·8	39·4	+ 1·8	4	28	3	0·19	− 0·19	7·3	− 2·5	14	− 5
	Felixstowe	46	32	43·6	36·7	40·3	+ 1·8	4	21	5	0·44	—	1·6	—	3	—
	Clacton-on-Sea	46	34	42·4	37·6	40·1	+ 0·9	1	16	3	0·20	—	3·2	—	6	—
	Rothamsted	46	31	42·2	34·3	38·4	+ 0·8	1	28	3	0·30	− 0·25	6·2	− 3·6	12	− 7
	Shoeburyness	46	29	44·0	35·3	39·8	+ 0·8	6	26	2	0·14	− 0·23	*	*	*	*
4. MIDLAND COUNTIES	Harrogate	47	29	41·5	31·2	36·6	− 0·4	0	38	3	0·24	− 0·42	12·2	—	24	—
	Bawtry (Hesley Hall)	46	30	41·9	34·3	38·3	+ 1·0	0	26	4	0·24	− 0·21	*	*	*	*
	Nottingham	46	29	41·7	33·0	37·5	− 0·5	0	32	3	0·33	− 0·23	8·7	—	17	—
	Colly Weston (Stamford)	44	30	40·0	33·3	36·8	− 0·2	0	36	3	0·38	− 0·08	*	*	*	*
	Cheadle Ⓜ	44	30	39·7	32·6	36·3	− 0·7	0	40	3	0·31	− 0·37	*	*	*	*
	Birmingham (Edgbaston)	48	31	41·6	34·0	38·0	− 0·2	0	28	3	0·41	− 0·09	5·4	—	10	—
	Shrewsbury	52	29	44·5	34·0	39·5	+ 0·6	7	32	3	0·37	—	*	*	*	*
	Hereford Ⓜ	49	35	43·9	36·0	40·1	+ 1·5	5	23	4	0·20	− 0·35	*	*	*	*
	Cirencester	47	31	42·1	34·7	38·6	+ 1·0	0	27	4	0·24	− 0·40	3·0	− 6·6	6	− 12
	Oxford	47	31	43·3	35·3	39·5	+ 0·9	4	26	3	0·38	− 0·08	10·8	+ 1·1	20	+ 2
	Westminster	48	31	44·7	36·6	40·8	+ 1·1	8	22	3	0·23	—	1·0	− 2·5	2	− 5
5. ENGLAND, S.	London (Brixton)	47	31	43·9	34·7	39·5	+ 0·3	5	28	4	0·24	− 0·23	1·0‡	− 3·8‡	2‡	− 7‡
	Wisley (Surrey)	48	26	43·7	35·4	39·7	− 0·1	5	25	3	0·19	—	4·3	—	8	—
	Swarraton (Alresford) Ⓜ	47	26	43·6	36·5	40·2	+ 2·4	4	21	4	0·16	− 0·54	*	*	*	*
	Tunbridge Wells Ⓜ	47	31	43·1	35·2	39·3	+ 0·8	3	26	3	0·22	—	8·4	—	1	—
	Dungeness	48	37	45·0	39·6	42·4	+ 2·2	13	7	3	0·25	− 0·20	5·9	—	11	—
	Hastings (St. Leonards)	48	36	45·0	39·2	42·2	+ 1·9	13	8	3	0·21	− 0·43	6·7	− 6·3	12	− 12
	Southampton	49	31	46·5	38·6	42·7	+ 2·3	19	10	3	0·17	− 0·53	6·9	− 4·1	13	− 8
	Portland Bill	50	38	47·4	41·3	44·5	+ 2·4	20	2	3	0·11	—	*	*	*	*
	Shaftesbury Ⓜ	47	36	42·3	37·8	40·1	+ 2·9	1	15	3	0·26	− 0·44	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)												*	*	*	*
	Glasgow	48	31	42·7	36·5	39·7	+ 1·1	2	20	3	1·17	+ 0·23	1·3	− 2·8	3	− 6
	Cally Ⓢ	47	25	42·4	34·8	38·8	+ 0·4	1	27	3	0·70	− 0·45	*	*	*	*
	Aspatria	51	26	44·3	31·8	38·3	− 0·4	6	39	3	0·65	—	17·5	—	36	—
	Douglas (Isle of Man)	50	38	45·8	41·1	43·5	+ 2·3	14	3	4	0·91	− 0·13	8·2	− 1·3	16	− 3
7. ENGLAND, N.W.	Newton Rigg	49	29	43·6	33·9	38·9	+ 1·6	4	31	3	0·45	—	16·3	—	33	—
	Stonyhurst	46	31	41·8	34·5	38·3	+ 0·4	0	26	3	0·11	− 0·93	9·5	+ 3·2	19	+ 6
	Blackpool Ⓜ	49	29	43·5	34·3	39·1	+ 0·2	4	29	3	0·15	− 0·55	12·2	+ 5·9	24	+ 12
	Manchester (Prestwich)	44	31	41·7	33·7	37·9	− 0·2	0	29	3	0·09	− 0·73	6·7	—	13	—
	Liverpool Obsy. (Bidston)	51	32	42·9	34·6	38·9	− 0·9	3	28	3	0·24	− 0·33	9.4	—	18	—
	Chester (Hawarden Bridge)	50	30	43·0	34·3	38·8	− 1·8	3	29	2	0·39	—	*	*	*	*
	Llandudno Ⓜ															
	Holyhead	50	37	46·0	40·0	43·1	+ 0·5	16	6	6	0·49	− 0·35	*	*	*	*
	Bettws-y-Coed	50	30	45·9	35·3	40·8	− 0·8	11	28	3	0·28	—	9·8	—	19	—
8. ENGLAND, S.W.	Llangammarch Wells	48	22	42·5	30·0	36·5	− 1·3	1	44	5	0·36	—	7·1	—	13	—
	Pembroke	50	40	47·6	42·6	45·2	+ 1·6	22	0	2	0·33	− 0·57	7·9	− 2·6	15	− 5
	Cardiff	50	34	45·0	37·3	41·3	+ 0·5	8	20	3	0·18	—	*	*	*	*
	Clifton	46	35	43·2	38·5	40·9	+ 1·2	3	13	3	0·22	− 0·54	*	*	*	*
	Bath	50	34	45·1	38·0	41·7	+ 2·1	9	17	2	0·11	− 0·57	8·6	—	16	—
	Arlington (N. Devon)	50	36	45·4	38·4	42·0	+ 1·8	10	10	1	0·22	− 1·04	*	*	*	*
	Cullompton Ⓜ	49	33	46·5	39·5	43·1	+ 3·6	18	7	2	0·18	− 0·64	4·0	− 5·0	7	− 9
	Falmouth	50	42	48·9	44·4	46·7	+ 2·5	33	0	3	0·88	− 0·34	2·0	− 10·5	4	− 19
	Plymouth	49	39	48·1	42·8	45·6	+ 3·0	25	0	4	0·61	− 0·31	5·0	− 6·4	9	− 12
9. IRELAND, N.	Malin Head	48	37	45·4	39·1	42·4	+ 0·8	15	8	5	0·73	+ 0·03	*	*	*	*
	Edenfel (Omagh)	50	36	45·1	38·7	42·0	+ 4·2	9	9	6	1·31	+ 0·47	*	*	*	*
	Blacksod Point	51	38	47·7	41·0	44·5	+ 1·4	22	3	4	0·98	− 0·33	*	*	*	*
	Markree Castle	52	30	47·4	39·8	43·8	+ 4·4	22	6	5	0·73	− 0·20	4·1	− 3·9	8	− 8
	Armagh	52	38	46·5	41·0	43·9	+ 5·2	18	3	6	0·90	+ 0·26	8·7	+ 0·1	17	0
	Donaghadee	51	40	46·6	42·3	44·5	+ 3·6	18	0	4	0·85	+ 0·20	*	*	*	*
10. IRELAND, S.	Dublin	56	41	50·4	45·0	47·8	+ 6·2	41	0	4	0·65	+ 0·12	6·4	− 5·9	13	− 12
	Birr Castle	52	39	48·4	42·3	45·5	+ 5·9	25	0	3	0·85	+ 0·15	3·4	− 7·2	7	− 14
	Kilkenny	53	36	48·4	43·6	46·1	+ 5·4	29	0	3	0·45	− 0·31	*	*	*	*
	Waterford	53	31	48·1	42·7	45·5	+ 4·4	25	0	3	0·69	− 0·34	*	*	*	*
	Roche's Point	52	36	49·9	45·7	47·9	+ 4·0	41	0	5	1·01	− 0·21	*	*	*	*
	Valencia	56	39	51·9	43·7	48·0	+ 2·9	42	0	7	1·40	− 0·02	6·2	− 4·1	12	− 8
	Killarney	53	37	50·9	42·0	46·6	+ 3·3	32	0	5	2·22	+ 0·64	*	*	*	*
	Foynes	52	35	48·6	40·9	44·9	+ 3·2	25	3	5	0·68	− 0·29	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's	53	44	51·3	45·1	48·3	+ 1·7	44	0	4	1·06	+ 0·16	17·9	+ 5·0	33	+ 9
	Jersey (St. Aubyn's)	50	37	46·6	40·6	43·7	+ 0·3	18	4	3	0·26	− 0·57	16·2	+ 1·8	29	+ 3

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

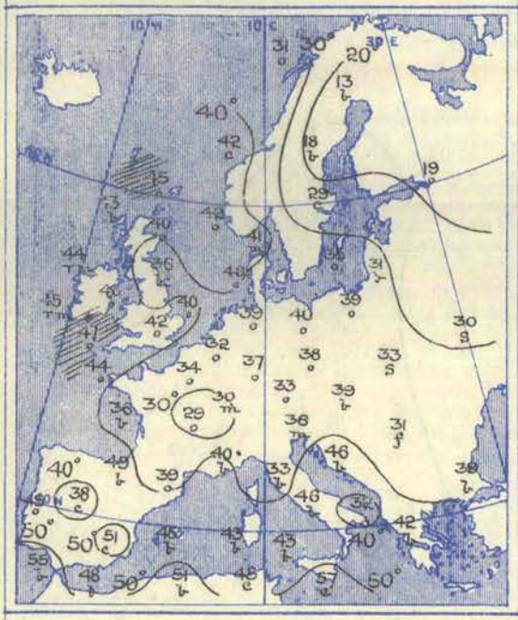
At the stations named in this Report Stokes' or somewhat similar Bright Sunshine Recorders are in use. Reports of Bright Sunshine at 32 additional stations will be found in a Table on the last page of this issue.

‡ For London the Sunshine value is the mean of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster.

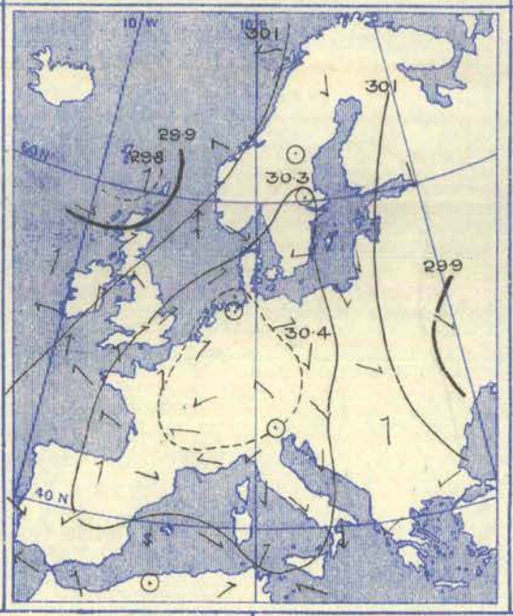
NOTE.—The Bright Sunshine values entered to Fulbeck are recorded at Rauceby; those entered to Dungeness at Littlestone-on-Sea, and those entered to Liverpool at Hoylake.

Sunday, 24th December, 1905.

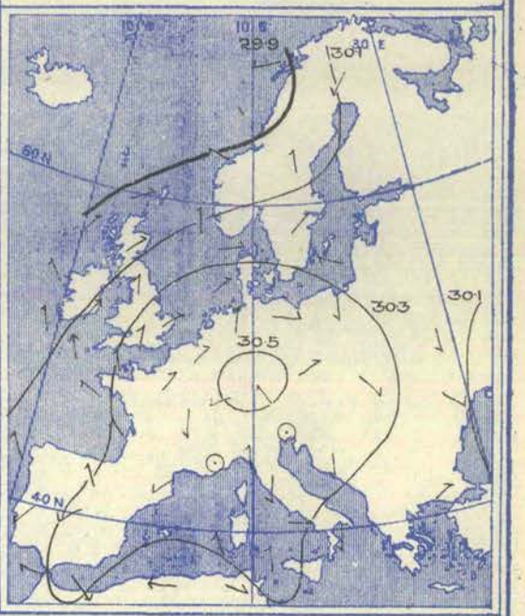
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright over the greater part of southern Europe and at some stations in Sweden and this country; cloudy or entirely overcast as a whole, with fog or mist in several localities, rain in Ireland and at Cracow, and snow at Lemberg and Kieff. More than half an inch of rain experienced later in Ireland, smaller quantities at some Scotch stations, and 1·2 in. at Brindisi.

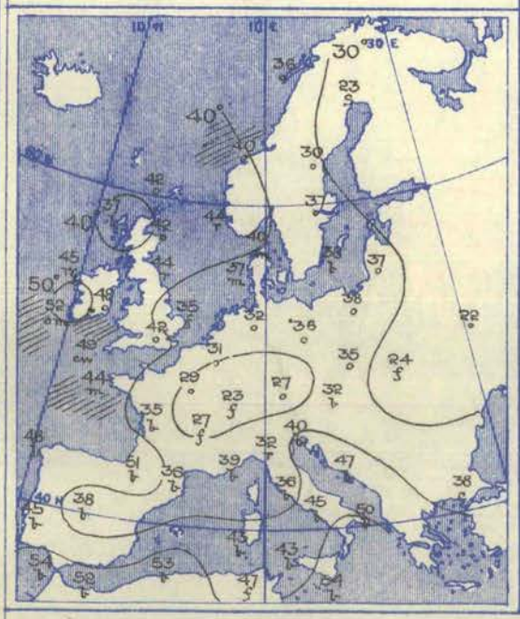
Temperature fallen in most places; morning readings ranging from 57° at Malta and 55° at San Fernando, to 19° at St. Petersburg, and to 13° at Haparanda. Readings a little below 40° over the Continent generally, but as low as 24° at Limoges, 27° at Turin, and 30° at Florence. Rising to about 50° at many of our own western and northern stations during day, and to a few degrees higher in the south of our area; highest maxima, 64° at Algiers and Nemours. Frost continuing all day in the north of Sweden and at Clermont.

Wind at 8 a.m. showing a very extensive anticyclonic circulation around the central countries of Europe. Southerly current fresh or strong on some parts of our west and south-west coasts, but scarcely any force beyond a light breeze elsewhere, except in the south-west of Norway. No change of importance by evening.

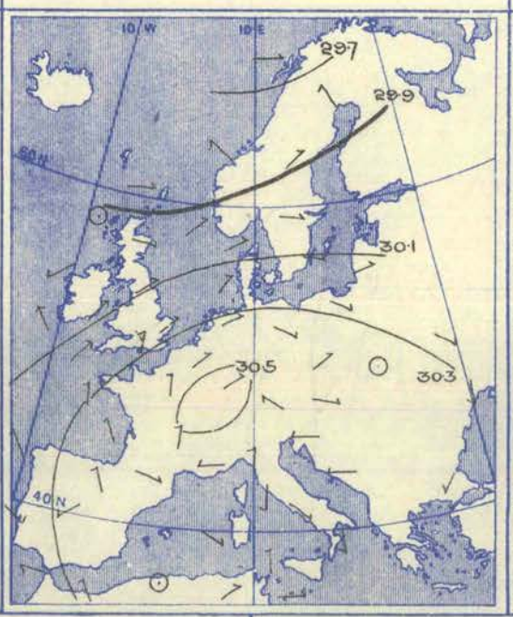
Barometer in morning above 30·4 ins. in the central portion of an anticyclone embracing a large part of central Europe. Below 29·9 ins. in Little Russia and less than 29·8 ins. in a depression off the north of Scotland. No change in distribution occurring during day, but anticyclone extending in all directions and the low pressures retreating either eastwards or northwards.

Monday, 25th December, 1905.

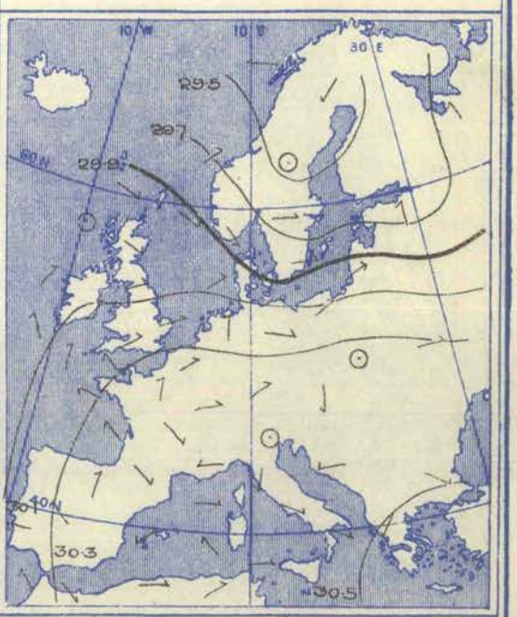
Temperature and Weather 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. very cloudy or quite overcast except over southern Europe and the north of Africa. Snow falling at Haparanda and rain at Skudesnaes and at some of our own northern and western stations. Foggy at Great Yarmouth and in various parts of central Europe. Continuing fine and dry as a whole, but a little rain falling later in the most northern and north-western countries.

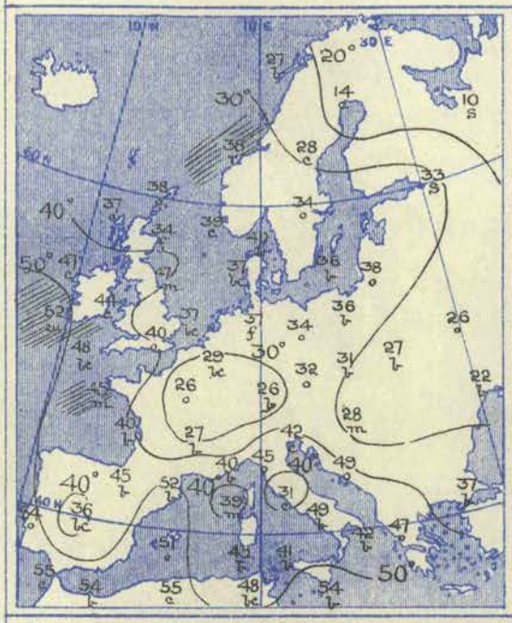
Temperature in morning about 50° at a few stations in the south of Europe and Algeria; below 40° over our area generally, and below 32° in places. Lowest values, 22° at Kieff and 23° at Haparanda and Belfort. Maxima during day below 32° at some central French stations and not much higher at Florence and the central and northern regions of the Continent. Thermometer rising to 70° at Nemours, 64° at Algiers, 63° at San Fernando and Patras, 59° at Biarritz, and about 50° on our own western and northern coasts.

Wind in morning varying in force from between South and West over all the western and northern countries and generally light and variable over the central and southern regions. No change of importance occurring during day.

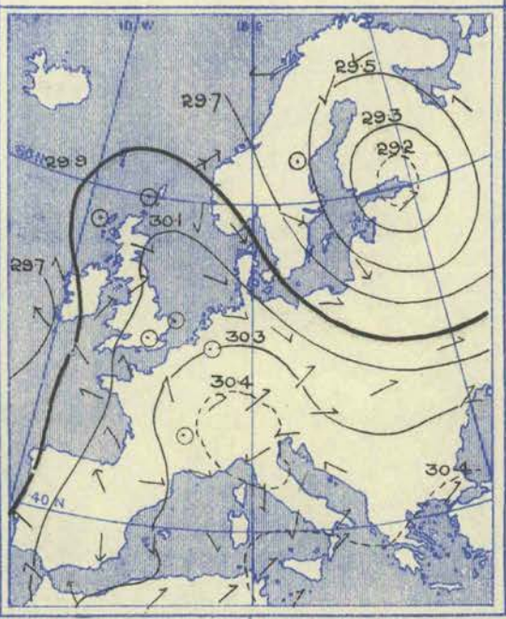
Barometer at 8 a.m. above 30·4 ins. in a large but irregularly shaped anticyclone covering most parts of central Europe and extending southwards to Sicily. Below 29·7 ins. in a large but not very deep depression found off the north-west of Norway. Latter system apparently moving south-eastwards during day and increasing in depth. Very little change of pressure taking place over our area generally.

Tuesday, 26th December, 1905.

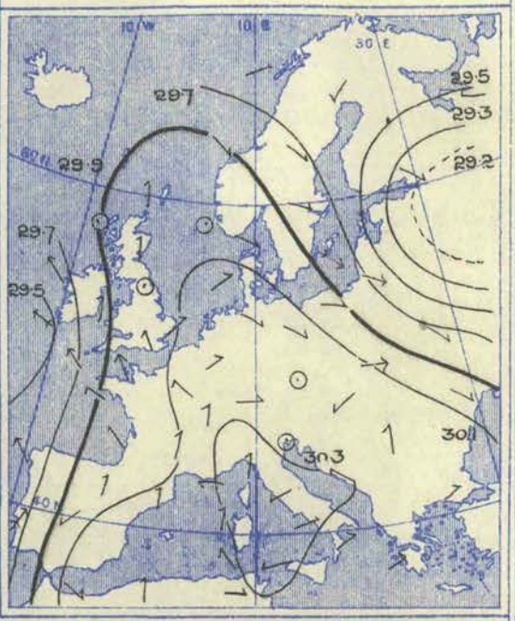
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in most parts of southern Europe and in isolated places elsewhere; cloudy or overcast over our area as a whole, with fog or mist in Scotland, the Low Countries, and at the mouth of the Elbe, rain at Christiansund, and snow at St. Petersburg. Some rain later in the north of Italy and the south-east of France, and heavier falls in the Spanish Peninsula—as much as 1·27 in. at Lisbon.

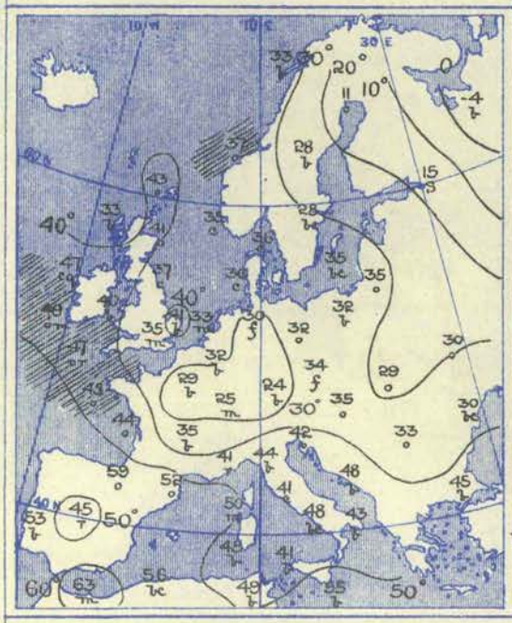
Temperature risen in Portugal, fallen in the western and north-western countries generally. Morning readings highest, above 50° in some of the most southern localities and on the south-west coast of Ireland. Lowest, 10° at Archangel and 14° at Haparanda; below the freezing point in many other places, and below 40° at Constantinople and Madrid. Rising subsequently to 68° at Nemours, to 64° at Malta, 63° at Palermo, and to 61° at Corunna. Maxima only a little above the freezing point in central Europe and below it in the north of Sweden.

Wind in morning Southerly over the United Kingdom generally, but South-Easterly in the west of Ireland. South-Easterly to Easterly over the Spanish Peninsula and the west of France. Light anticyclonic airs prevailing over the greater part of central Europe and an extensive cyclonic circulation in the north and north-east. A moderate gale blowing at Valencia Island and a strong gale, from South-South-West, at Christiansund. Increasing considerably in force over our south-west coasts and Portugal by evening; blowing a fresh gale from South at Lisbon and from the South-Eastward on the south coast of Ireland.

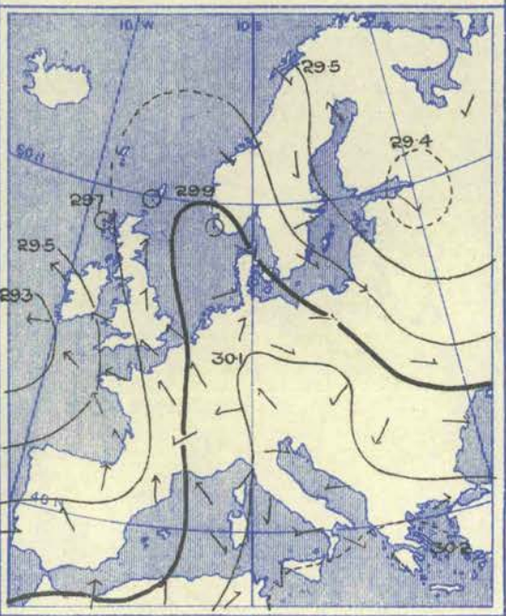
Barometer at 8 a.m. above 30·4 ins. in the central part of an anticyclone over Bavaria and the north of Italy, and as low as 29·17 ins. at St. Petersburg. Pressure decreasing briskly in the most western portion of our area, and as low as 29·71 ins. on the south-west coast of Ireland. A large depression on the Atlantic spreading eastwards over the United Kingdom, France, and the Spanish Peninsula during day, and gradients increasing decidedly in those regions. Anticyclone undergoing some decrease in intensity.

Wednesday, 27th December, 1905.

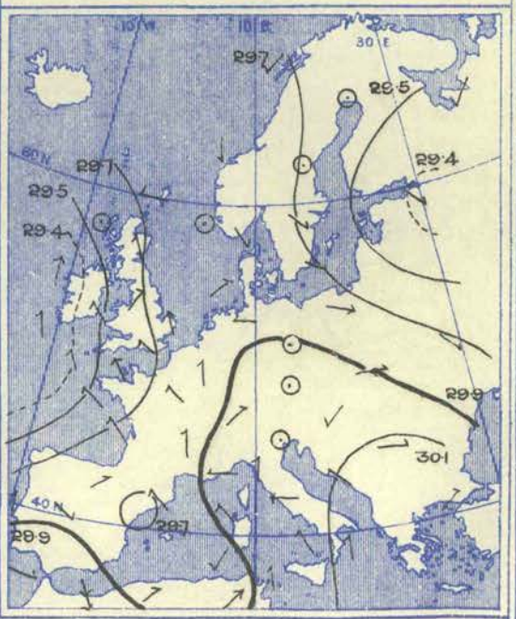
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in various parts of Scandinavia, France, and southern Europe; cloudy or overcast generally, with rain at Corunna, Scilly, Nice, Oran, and Madrid, and snow at St. Petersburg. A thunderstorm later in day at Algiers and considerable amounts of rain in many southern regions and on our own south-west coasts. Heaviest fall, 1·3 in. at Cette.

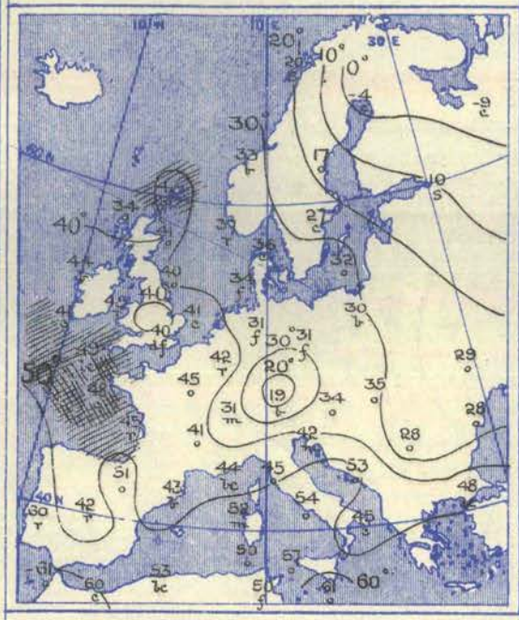
Temperature fallen quickly over the north of Russia, changed irregularly or risen elsewhere. Readings in morning, 63° at Nemours, 59° at Biarritz, and above 50° at some other stations in the far south. Below 30° in many parts of the Continent and below 20° in the north-east. Lowest values, 11° at Haparanda and 4° below zero at Archangel. Maxima during day about 50° on our own western coasts and in the west and south of France, and about 60° on various shores of the Mediterranean. Highest reading, 66° at La Calle. Frost continuing all day in the north-east of our area and also at Lemberg and Carlsruhe.

Wind in morning moderate from West-South-West in Portugal and fresh or strong from the South-Eastward over the western portions of France and these Islands. Light or moderate from the North-Westward over Scandinavia and Russia, and light and anticyclonic over the central countries. No change of importance by evening except a veering to the Southward in the west of Ireland.

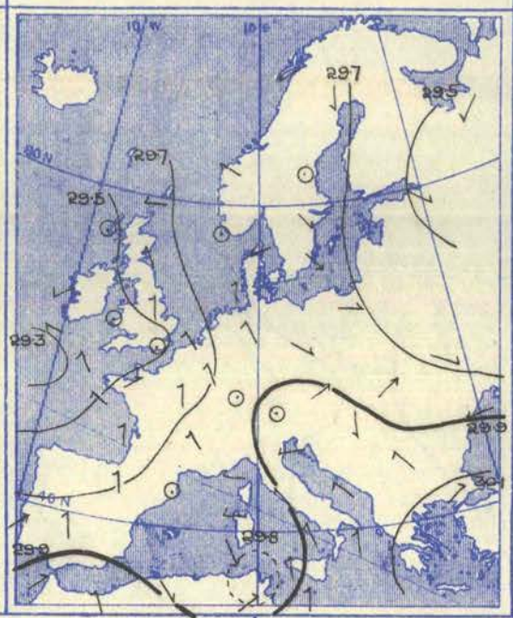
Barometer at 8 a.m. above 30·2 ins. in the south-east of Europe and less than a tenth of an inch lower over the central regions. Below 29·4 ins. in a depression near St. Petersburg, and less than 29·3 ins. in a large disturbance on the Atlantic off our south-west coasts. Latter system apparently travelling northwards off the west of Ireland during day, and a temporary rise of the barometer taking place at Valencia. Pressure continuing to give way over Britain and over the greater portion of the Continent.

Thursday, 28th December, 1905.

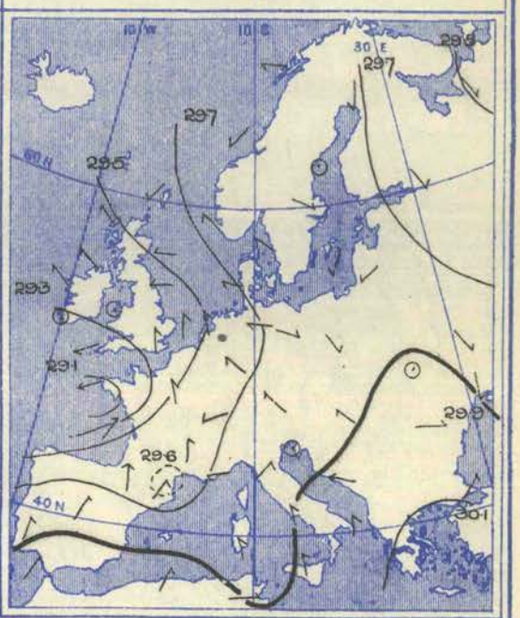
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. fine and bright in a few isolated places, but dull over our area as a whole. Misty or foggy in several localities and rainy over England, Belgium, the Spanish Peninsula, and at Pesaro. Snow falling at St. Petersburg. Rain falling later in nearly all parts of western and southern Europe; amounts slight in our Islands, rather large in France and at some stations in Italy, and on the northern shores of the Adriatic.

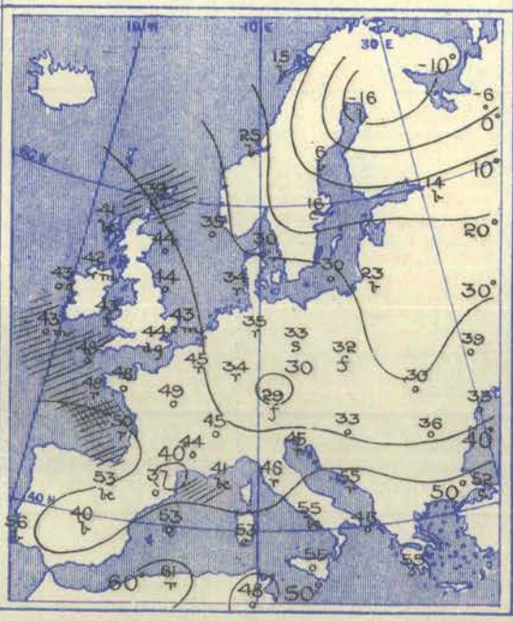
Temperature fallen over all the more northern regions, risen in the south. Morning readings, 61° at Malta and San Fernando, and 60° at Lisbon and Oran. Below the freezing point at several stations in the central countries and below zero in the far north of our area. Lowest readings, −9° at Archangel. Severe frost continuing all day in the north and east of Europe, and maximum temperatures scarcely any higher than 32° at many stations in the central countries. Thermometer rising to above 60° in the south of our area and to 50° in the west of France and on our own south-west coasts.

Wind in morning moderate or fresh from the South-Westward on the western coasts of the Peninsula, light or moderate from the Southward or South-Eastward over France and the United Kingdom and the North Sea. Mainly North-Westerly in the north-east of our area and variable in the south. Increasing to a moderate gale from the South-Westward over the Bay of Biscay during day and becoming more Easterly in direction over our Islands.

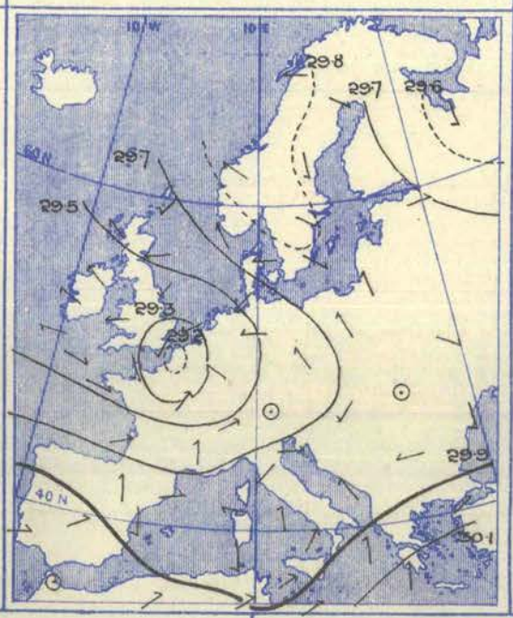
Barometer in morning ranging from above 30·1 ins. in the extreme south-east of our area to 29·5 ins. in a depression over the northern half of Russia, and to about 29·3 ins. in another system off the south of Ireland. Gradients moderate or slight generally but rather irregular. The centre of a depression appearing off the coast of Brittany by evening and barometer falling to below 29·1 ins. in that region. High pressure system extending steadily northwards towards Scandinavia.

Friday, 29th December, 1905.

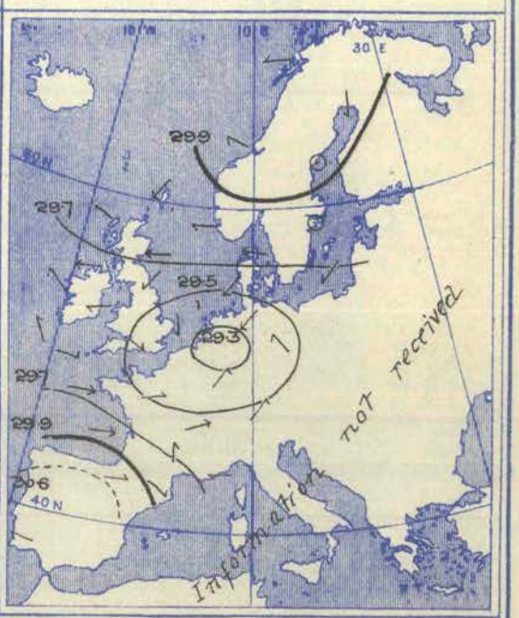
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather at 8 a.m. cloudy or entirely overcast generally, with rain in several parts of England, in the west of Germany and France, the north of Italy, and at Algiers, and snow at Berlin. Fine and bright over the Spanish Peninsula and the greater portion of Scandinavia. Rain experienced later in most parts of these Islands and France, as well as at Lisbon and at some stations in central Europe.

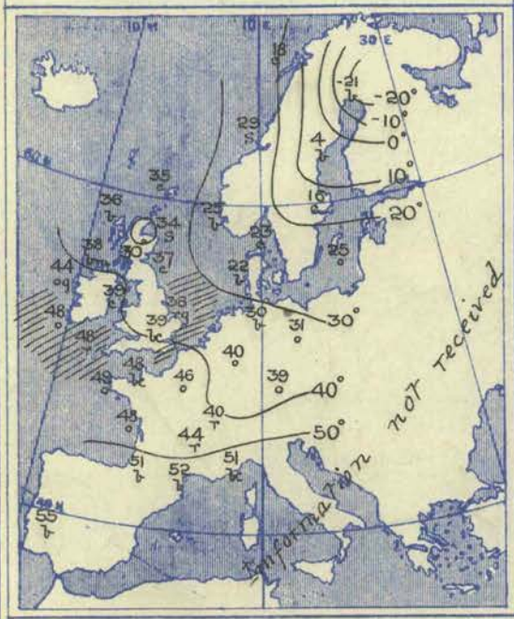
Temperature fallen quickly over Norway and Sweden, changed little or risen in nearly all other regions. Morning readings highest, 61° at Algiers, 59° at San Fernando, and above 50° at a few other stations in the extreme south. Lowest, −16° at Haparanda and −6° at Archangel. Below the freezing point in all the northern regions of the Continent and also in some of the central districts. Frost continuing all day in the north, but rising to above 45° in most British regions and to above 50° at Scilly and in the west and south of France. Highest value, 57° at Perpignan.

Wind at 8 a.m. showing a cyclonic circulation around the Straits of Dover; of little force generally, but Westerly current strong over the Bay of Biscay. A fresh South-Easterly breeze prevailing over the north of Ireland, and a moderate to light North-Westerly breeze in the north-east of our area. Some increase in strength taking place by evening over Denmark and Germany, but no other change of importance.

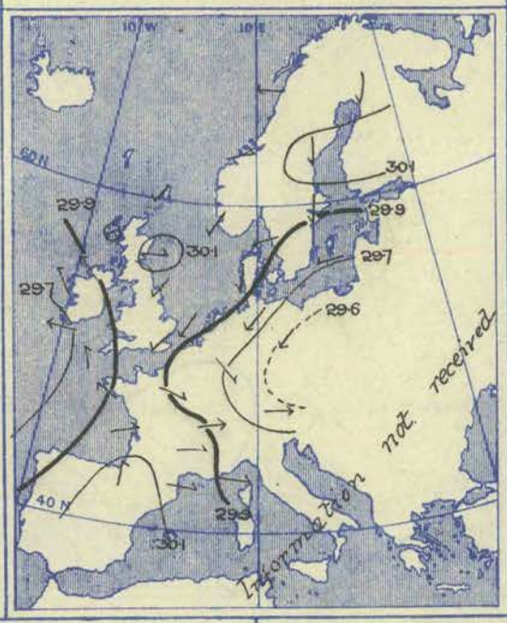
Barometer at 8 a.m. ranging from 30·1 ins. over Greece to less than 29·6 ins. over the White Sea, and below 29·2 ins. in a depression having its centre near Cape Gris Nez. Latter system travelling eastwards to Germany during day, and pressure increasing rather decidedly over France and these Islands, and also in the north of Scandinavia. Gradients for Easterly winds increasing over Denmark and the Baltic.

Saturday, 30th December, 1905.

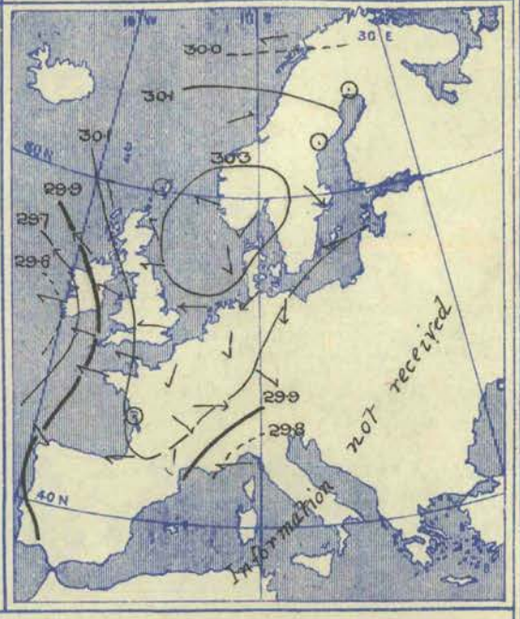
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



No observations received from the eastern parts of the Continent and the Mediterranean region.

Weather at 8 a.m. fair or fine and bright in a few places locally, but overcast as a whole. Rain falling in the Netherlands and at Yarmouth, Cape Gris Nez, Scilly, and Lisbon, and snow at Aberdeen. Heavy rain experienced later in the south and south-west of Ireland, and small amounts in various parts of France, Germany, and the Spanish Peninsula.

Temperature changed rather irregularly, but fallen at most stations. Morning readings ranging from 55° at Lisbon and 51° at Biarritz and Nice to 23° at Nairn, to 11° at Karlstad, 4° at Hernösand and to −21° at Haparanda. Rising during day to above 40° over our Islands generally, and to about 60° at a few stations in the extreme south-west of Europe, but only touching 31° at Nairn and Berlin and 15° at Hernösand.

Wind at 8 a.m. blowing a moderate gale from East at Valencia Island and moderate to fresh breezes from between South-East and North-East over the United Kingdom generally; fresh or strong from the North-Westward and Westward in the east of France and Bavaria and from the North-Eastward over the Baltic and North Germany. Increasing to a gale later from East or South-East on many parts of our western coasts.

Barometer in morning ranging from above 30·1 ins. over the central part of Scandinavia and the north-east of Spain, and also in a small maximum over the east of Scotland, to less than 29·7 ins. in a depression off the south-west of Ireland and to below 29·5 ins. in another system over the centre of Europe. Rising briskly during day on the North Sea and the surrounding countries, and falling a little in the west of Ireland. Gradients becoming much steeper over our western and south-western coasts.

IV.—GENERAL NOTES, etc.

The highest pressures were at first found over the centre of Europe, but a little later they receded southwards and finally eastwards to the south-east of our area and extended thence in diminishing intensity in a north-westerly direction. During the earlier days of the period the cyclonic systems were generally confined to the Atlantic, where they moved on a northerly or north-easterly course and at the same time produced a steepening gradient and some fresh to very strong winds from the Southward on our western coasts. The north-east of Europe was disturbed by large depressions travelling in a south-easterly direction over Russia. Later in the week the Atlantic depressions began to extend more over the United Kingdom until by Friday morning the centre of one of these lay over the Straits of Dover. This system subsequently passed rather quickly to Germany, while the barometer rose decidedly over this country and Scandinavia. At the end of the period a decrease of pressure had commenced in the west of Ireland, and this, in conjunction with a very brisk increase to the north-eastward and eastward, caused steep gradients for South-East to East winds over all our western coasts. During the latter half of Saturday gales were consequently experienced on many parts of our western coasts. The general level of temperature was not low except in the north and north-east of Russia and in the north of Sweden, where the readings were sometimes much below zero. As a whole the period was dry, but few localities were entirely without rain in the south or without rain or snow in the north. The rain in the Mediterranean region was the result of some very shallow and usually ill-defined disturbances that appeared in that neighbourhood soon after the middle of the week.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 308.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible Duration	Difference from the Mean for the Week.
DEERNESS	5·9	+ 0·2	14	0
STRATHPEFFER SPA	10·2	+ 3·2	23	+ 7
CRATHES	2·1	—	5	—
BALRUDDERY	2·2	—	5	—
EDINBURGH	4·9	− 0·8	10	− 2
COCKLE PARK	4·1	—	8	—
NEWCASTLE-on-TYNE	0·6	—	1	—
SALTBURN-by-the-SEA	—	—	—	—
YORK	3·5	− 2·3	7	− 5
SKEGNESS	12·3	—	24	—
CROMER	8·3	—	16	—
LOWESTOFT	3·3	—	6	—
DUNMOW	—	—	—	—
SHEFFIELD	1·7	—	3	—
WORKSOP	5·9	− 1·5	12	− 3
MARGATE	4·4	− 5·9	8	− 11
RAMSGATE	4·9	—	9	—
EASTBOURNE	11·0	− 1·1	20	− 2
BRIGHTON	13·1	+ 2·0	24	+ 3
WORTHING	8·8	—	16	—
BOGNOR	9·5	—	18	—
VENTNOR HOSPITAL	13·5	+ 2·6	25	+ 5
BOURNEMOUTH	11·1	—	21	—
MARLBOROUGH	5·1	− 3·2	9	− 6
SOUTHPORT	12·0	—	24	—
RHYL	12·6	—	25	—
ABERDOVEY	11·3	—	22	—
ABERYSTWYTH	15·3	—	30	—
TENBY	2·9	− 7·9	6	− 15
TORQUAY	5·8	− 6·4	11	− 12
NEWQUAY	15·1	+ 3·7	28	+ 7
GUERNSEY	8·5	− 2·2	15	− 4

ERRATA.—The values printed below must be substituted for those which have already appeared.

NOTE.—Slight corrections, *i.e.*, those less than 0°·5 in average Temperature or less than 5% of the amounts of Rainfall or Sunshine, are not included in this list. All corrections, however, are incorporated in the results issued in the Monthly Summary.

TWENTY-EIGHTH YEAR. VOLUME XXII. (New Series). WEEKLY ISSUE.	NAMES OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day Degrees) Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
No. 48, page 284	Cheadle	—	—	—	36·2	40·3	+0·7	—	22	—	—	—	—	—	—	—
,, 51, ,, 302	Laudale	—	—	—	—	—	+5·5	—	—	—	—	—	—	—	—	—

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1905.

Twenty-eighth Year. Vol. XXII. [*New Series.*] APPENDIX I. FIRST QUARTER—JANUARY TO MARCH. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE FIRST QUARTER OF THE FORTY YEARS, 1866 TO 1905.

YEARS.	Principal Wheat-producing Districts.							Principal Grazing Districts.						Channel Islands.	Means for Districts 1-10 combined.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.		
RAINFALL.															
	Days. Ins.	Days Ins.	Days. Ins.	Days. Ins.	Days. Ins.	Days. Ins.	Days. Ins.	Days. Ins.	Days. Ins.	Days. Ins.	Days. Ins.	Days. Ins.	Days. Ins.	Days. Ins.	Days. Ins.
Means for 5 years, 1866-1870.	— 12·6	— 9·6	— 5·4	— 5·7	— 6·9	— 8·5	— 7·2	— 12·6	— 11·8	— 13·7	— 11·8	— 11·0	— 12·2	— —	— 9·7
1871-1875	— 9·1	— 7·8	— 4·9	— 4·4	— 6·6	— 7·1	— 6·2	— 11·1	— 10·4	— 13·7	— 9·5	— 10·5	— 11·0	— —	— 8·6
1876-1880	— 9·5	— 7·2	— 5·3	— 5·7	— 6·2	— 7·2	— 6·3	— 11·2	— 9·5	— 9·9	— 9·2	— 10·0	— 10·0	— —	— 8·2
1881-1885	65 9·9	49 6·2	45 5·2	44 5·1	45 6·4	43 6·4	45 5·9	58 12·5	50 8·8	53 9·7	61 9·4	58 11·9	56 10·5	57 8·2	51 8·2
1886-1890	66 12·2	52 6·2	47 5·2	47 4·7	43 5·2	44 5·4	47 5·3	53 10·7	50 6·9	49 8·3	56 8·4	50 9·5	52 8·8	57 7·1	50 7·1
1891	65 14·7	38 5·1	43 3·7	43 3·8	37 4·1	38 5·8	40 4·5	47 9·2	35 4·4	38 6·8	49 5·5	42 5·6	42 6·3	43 6·2	41 5·4
1892	63 11·2	46 5·3	47 4·4	49 4·0	44 4·0	38 3·7	45 4·3	47 8·0	46 6·3	47 6·4	49 5·9	45 7·6	47 6·8	52 6·9	47 5·6
1893	65 12·8	51 5·9	44 4·5	49 5·2	48 5·0	48 5·9	48 5·3	57 10·0	49 6·4	49 8·7	59 7·8	50 8·7	53 8·3	56 7·3	52 6·8
1894	68 21·1	56 11·0	51 5·4	47 4·2	54 5·8	49 6·3	51 6·5	64 18·6	56 9·9	56 10·5	64 12·3	61 10·9	60 12·4	56 7·7	56 9·5
1895	59 9·8	48 6·4	58 7·5	52 5·6	42 5·4	41 4·7	48 5·9	48 6·7	48 6·7	46 8·1	56 7·7	48 9·5	49 7·7	55 7·3	49 6·8
Means for 5 years, 1891-1895.	64 13·9	48 6·8	49 5·1	48 4·6	45 4·9	43 5·3	47 5·3	53 10·5	47 6·7	47 8·1	55 7·8	49 8·5	50 8·3	52 7·1	49 6·8
1896	68 17·8	50 4·8	39 4·1	47 4·9	45 4·3	42 4·4	45 4·5	61 12·1	53 8·3	50 6·9	56 9·2	51 8·8	54 9·1	53 4·9	50 6·8
1897	65 11·0	57 6·9	59 6·4	57 6·9	54 7·9	52 9·2	56 7·5	58 11·0	61 7·9	65 13·0	66 9·6	61 11·8	62 10·7	70 11·6	59 9·1
1898	77 18·7	52 4·8	44 3·4	41 3·5	39 2·9	37 3·5	43 3·6	62 10·5	50 7·3	48 6·0	61 7·8	44 6·6	53 7·6	56 4·4	48 5·6
1899	60 13·7	53 8·4	48 5·3	46 4·6	44 6·8	38 5·9	46 6·2	57 13·1	51 8·9	49 12·5	62 8·9	51 13·5	54 11·2	48 8·1	50 8·7
1900	66 11·7	54 8·8	54 7·8	55 7·5	50 8·6	50 9·3	53 8·4	54 12·2	52 9·2	56 13·5	60 8·2	56 9·9	55 10·6	65 12·4	54 9·5
Means for 5 years, 1896-1900.	67 14·6	53 6·7	49 5·4	49 5·5	46 6·1	44 6·5	48 6·0	58 11·8	53 8·3	54 10·4	61 8·7	53 9·9	56 9·8	58 8·3	52 7·9
1901	64 10·6	52 6·5	55 5·6	52 5·1	49 6·6	45 6·1	51 6·0	50 10·0	51 6·7	47 9·3	59 8·1	50 8·6	51 8·5	63 8·0	51 7·3
1902	68 14·6	50 4·7	41 3·7	42 3·2	38 4·6	35 4·9	41 4·2	60 13·3	53 6·5	47 7·6	63 8·7	49 9·1	54 9·0	51 6·0	48 6·6
1903	75 24·6	60 12·6	47 5·1	44 4·7	48 7·4	54 6·8	51 7·3	75 22·6	63 11·9	64 12·2	74 14·2	70 15·7	69 15·3	66 8·8	60 11·3
1904	62 13·0	56 7·5	54 5·4	54 5·9	61 7·7	60 9·0	57 7·1	57 14·1	56 9·6	62 12·3	67 10·6	67 13·1	62 11·9	67 12·8	60 9·5
1905	78 17·3	56 6·5	39 3·0	47 3·8	46 4·6	48 6·1	47 4·8	64 13·3	56 7·4	51 8·7	70 10·0	63 10·3	61 9·9	59 8·0	54 7·4
Means for 40 years, 1866-1905.	— 12·2	— 7·3	— 5·1	— 5·0	— 6·1	— 6·6	— 6·0	— 11·9	— 8·9	— 10·5	— 9·4	— 10·3	— 10·2	— —	— 8·1
MEAN TEMPERATURE.															
Means for 5 years, 1866-1870.	38°8	39°1	38°9	39°9	39°9	40°7	39°7	40°1	40°5	43°1	40°6	42°1	41°3	°	40°5
1871-1875	40°2	40°0	39°7	39°9	40°5	41°2	40°3	40°8	41°6	44°0	41°6	43°7	42°3	—	41°3
1876-1880	38°6	38°2	39°2	39°4	39°8	40°6	39°4	39°9	40°2	43°2	40°8	43°6	41°5	—	40°5
1881-1885	38°8	38°9	39°4	39°8	39°9	41°4	39°9	40°2	40°5	42°7	41°3	43°1	41°6	44°9	44°8
1886-1890	38°1	38°0	38°3	37°4	37°8	38°8	38°1	39°3	38°9	40°2	40°5	41°8	40°1	43°2	39°1
1891	38°4	38°0	37°9	37°4	38°0	38°4	37°9	39°6	39°5	40°2	40°8	42°3	40°5	43°1	39°2
1892	36°3	36°1	36°9	36°3	36°6	38°3	36°8	37°9	37°9	39°7	39°2	40°3	39°0	43°0	37°9
1893	38°8	38°8	40°2	39°8	40°3	41°3	40°1	40°7	41°2	42°8	42°2	43°8	42°1	46°0	41°1
1894	39°2	38°8	39°8	40°0	40°4	41°8	40°2	41°0	42°0	42°7	41°8	43°6	42°2	45°5	41°2
1895	34°3	32°5	34°9	34°4	33°6	35°3	34°1	34°8	35°0	36°4	36°5	38°4	36°2	39°9	35°2
Means for 5 years, 1891-1895.	37°4	36°8	37°9	37°6	37°8	39°0	37°8	38°8	39°1	40°4	40°1	41°7	40°0	43°5	38°9
1896	40°9	40°4	41°2	40°9	41°4	42°7	41°3	42°3	42°5	43°9	43°4	45°5	43°5	46°7	42°4
1897	37°5	37°4	39°4	39°8	39°8	41°7	39°6	39°5	40°4	42°5	40°6	42°8	41°2	45°7	40°4
1898	40°1	40°3	41°1	40°5	40°7	42°2	41°0	42°0	42°1	43°0	42°7	44°3	42°8	45°8	41°9
1899	38°4	38°0	40°3	41°1	40°7	42°7	40°6	40°6	41°8	43°4	41°7	43°8	42°3	46°8	41°5
1900	36°6	35°9	37°6	38°1	37°8	39°9	37°9	38°2	38°6	40°7	39°0	40°1	39°3	44°6	38°6
Means for 5 years, 1896-1900.	38°7	38°4	39°9	40°1	40°1	41°8	40°1	40°5	41°1	42°7	41°5	43°3	41°8	45°9	41°0
1901	38°0	37°0	38°0	37°2	37°3	38°5	37°6	39°0	38°5	39°7	40°0	40°8	39°6	43°2	38°6
1902	37°8	37°4	39°5	39°7	39°8	41°2	39°5	39°7	40°2	42°1	41°2	43°2	41°3	45°3	40°4
1903	39°7	39°7	42°2	43°3	42°4	44°1	42°3	42°0	42°9	44°6	42°4	44°3	43°2	47°0	42°8
1904	38°4	37°4	38°9	39°2	38°9	40°2	38°9	39°5	39°4	41°6	40°2	42°0	40°5	44°2	39°7
1905	39°6	39°9	41°0	41°1	40°9	42°0	41°0	41°6	41°8	42°8	42°3	44°1	42°5	45°8	41°8
Means for 40 years, 1866-1905.	38°7	38°5	39°2	39°3	39°5	40°6	39°4	40°0	40°2	42°3	41°0	42°8	41°3	—	40°4

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE FORTY YEARS, 1866 TO 1905.

		Wheat Districts.	Grazing Districts.	Wheat and Grazing Districts combined.
Rainfall	Driest	Ins. 3·6 in 1898	Ins. 6·3 in 1891	Ins. 5·4 in 1891
	Wettest	9·0 in 1872	15·3 in 1903	12·0 in 1872
Temperature	Coldest	34°1 in 1895	36°2 in 1895	35°2 in 1895
	Warmest	42·8 in 1882	44·6 in 1882	43·7 in 1882

375 Wt 82 5/05 D & S 23 21307

TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR PERIODS OF FOUR WEEKS OR FIVE WEEKS, AND THE PROGRESSIVE VALUES FROM JANUARY 1ST, 1905, FOR THE FIRST QUARTER, 1905.

1905. — FOUR WEEKS OR FIVE WEEKS ENDING.	0. SCOTLAND, N.		Principal Wheat-producing Districts. 1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		Principal Grazing Districts. 6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING DISTRICTS.		CHANNEL ISLANDS.		MEANS FOR DISTRICTS 1-10 COMBINED.	
	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.
RAINFALL.—NUMBERS OF DAYS WITH RAIN.																														
Jan. 28 -	21	21	12	12	9	9	10	10	11	11	9	9	10	10	17	17	14	14	11	11	18	18	16	16	15	15	14	14	13	13
Feb. 25 -	25	46	16	28	9	18	13	23	12	23	13	22	12	22	19	36	17	31	15	26	22	40	17	33	18	33	18	32	15	28
Apr. 1 -	32	78	28	56	21	39	24	47	23	46	26	48	24	46	28	64	25	56	25	51	30	70	30	63	28	61	27	59	26	54
RAINFALL.—AMOUNTS IN INCHES.																														
Jan. 28 -	5·14	5·14	0·91	0·91	0·48	0·48	0·90	0·90	0·85	0·85	1·13	1·13	0·85	0·85	3·32	3·32	1·77	1·77	1·59	1·59	2·68	2·68	2·95	2·95	2·46	2·46	1·52	1·52	1·66	1·66
Feb. 25 -	6·40	11·54	1·41	2·32	0·65	1·13	0·71	1·61	0·54	1·39	0·44	1·57	0·75	1·60	3·40	6·72	1·32	3·09	1·03	2·62	2·11	4·79	1·47	4·42	1·87	4·33	1·24	2·76	1·31	2·97
Apr. 1 -	5·74	17·28	4·20	6·52	1·84	2·97	2·19	3·80	3·25	4·64	4·57	6·14	3·21	4·81	6·57	13·29	4·32	7·41	6·08	8·70	5·17	9·96	5·84	10·26	5·60	9·93	5·20	7·96	4·41	7·38
ACCUMULATED TEMPERATURE.—DAY-DEGREES ABOVE 42° F.																														
Jan. 28 -	30	30	36	36	24	24	18	18	23	23	25	25	25	25	37	37	41	41	42	42	58	58	99	99	55	55	102	102	40	40
Feb. 25 -	23	53	43	79	61	85	61	79	77	100	75	100	63	88	64	101	64	105	80	122	78	136	101	200	77	132	116	218	70	110
Apr. 1 -	67	120	91	170	132	217	149	228	161	261	146	246	136	224	103	204	135	240	149	271	109	245	151	351	129	261	193	411	133	243
ACCUMULATED TEMPERATURE.—DAY-DEGREES BELOW 42° F.																														
Jan. 28 -	107	107	131	131	134	134	155	155	165	165	136	136	144	144	87	87	104	104	99	99	68	66	47	47	81	81	25	25	113	113
Feb. 25 -	136	243	132	263	89	223	79	234	79	244	54	190	86	230	70	157	58	162	43	142	63	129	45	92	56	137	18	43	71	184
Apr. 1 -	100	343	122	385	80	303	68	302	86	330	55	245	82	312	77	234	67	229	56	198	101	230	66	158	73	210	12	55	78	262
BRIGHT SUNSHINE.—NUMBERS OF HOURS.																														
Jan. 28 -	23	23	42	42	49	49	66	66	51	51	65	65	55	55	36	36	36	36	58	58	25	25	36	36	38	38	76	76	47	47
Feb. 25 -	52	75	78	120	77	126	90	156	65	116	79	144	78	133	70	106	68	104	72	130	70	95	70	112	71	109	68	144	74	121
Apr. 1 -	48	153	103	223	146	272	156	312	130	246	144	288	136	269	139	245	148	252	142	272	161	256	156	268	149	258	151	295	143	264
BRIGHT SUNSHINE.—PERCENTAGES OF POSSIBLE DURATION.																														
Jan. 28 -	12	12	20	20	23	23	29	29	23	23	28	28	25	25	17	17	16	16	25	25	12	12	16	16	17	17	32	32	21	21
Feb. 25 -	21	17	31	26	29	26	34	32	24	24	29	29	30	28	27	22	26	22	27	26	27	20	20	23	27	23	25	28	28	25
Apr. 1 -	12	18	25	26	36	31	38	35	32	27	35	32	33	30	34	28	36	28	35	30	39	29	38	30	37	29	37	32	35	30

EXPLANATION OF TABLES.

TABLES I. and IA. are in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884-1904. The whole of the values for 1878-1905, however, have been corrected by information which may have been received since they were first published.

TABLE II. In this Table the values given do not apply to calendar months but to periods of four weeks or five weeks ending at the dates shown.

The figures given in the columns headed "From Jan. 1, 1905" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for the Wheat Districts" the values for District 0, and in the "Means for the Grazing Districts" the values for the "Channel Islands" are not included.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1905.

Twenty-eighth Year. Vol. XXII. [*New Series.*] APPENDIX I. SECOND QUARTER—APRIL TO JUNE. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE SECOND QUARTER OF THE FORTY YEARS, 1866 TO 1905.

YEARS.	Principal Wheat-producing Districts.												Principal Grazing Districts.												Channel Islands.		Means for Districts 1–10 combined.	
	0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Grazing Districts.					
	RAINFALL.																											
	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.
Means for 5 years, 1866–1870.	—	8·8	—	5·7	—	5·5	—	4·5	—	5·3	—	5·1	—	5·2	—	7·1	—	6·5	—	7·0	—	7·5	—	7·2	—	7·1	—	—	—	6·2
1871–1875	—	8·5	—	6·5	—	5·5	—	5·5	—	6·4	—	6·4	—	6·1	—	7·3	—	7·4	—	7·9	—	7·5	—	6·2	—	7·3	—	—	—	6·7
1876–1880	—	6·3	—	6·9	—	7·1	—	7·2	—	7·7	—	7·1	—	7·2	—	8·5	—	7·8	—	9·0	—	8·3	—	9·8	—	8·7	—	—	—	8·0
1881–1885	51	6·7	44	5·2	43	5·8	39	5·9	41	6·5	38	5·6	41	5·8	47	8·1	42	7·0	44	7·2	52	7·2	46	7·7	46	7·4	45	5·6	44	6·6
1886–1890	54	7·0	43	5·7	40	4·8	41	5·1	41	6·4	40	5·7	41	5·5	45	8·8	41	6·5	42	6·5	46	7·1	46	7·5	44	7·3	46	5·9	43	6·4
1891	45	6·3	36	4·4	35	4·3	41	5·5	43	6·7	38	4·8	39	5·1	36	5·0	39	5·9	42	7·2	46	6·1	45	8·4	42	6·5	41	6·2	41	5·8
1892	59	9·1	51	6·4	51	7·3	42	6·1	38	5·5	31	3·7	43	5·8	49	10·0	50	8·3	37	4·6	56	9·6	46	8·0	47	8·1	37	4·8	45	7·0
1893	41	5·2	36	5·1	28	3·2	22	2·3	23	3·1	20	1·7	26	3·1	30	5·4	27	4·2	21	3·0	33	4·9	30	4·8	28	4·5	17	2·1	27	3·8
1894	47	6·1	49	6·6	54	7·2	48	7·1	45	5·9	44	5·8	48	6·5	53	8·3	55	7·0	51	7·5	56	8·0	53	9·7	54	8·1	53	6·7	51	7·3
1895	49	8·9	38	4·9	32	4·1	27	2·9	28	4·1	26	2·9	30	3·8	40	4·7	30	4·4	26	4·3	42	4·3	33	4·6	34	4·5	31	3·6	32	4·2
Means for 5 years, 1891–1895.	48	7·1	42	5·5	40	5·2	36	4·8	35	5·1	32	3·8	37	4·9	42	6·7	40	6·0	35	5·3	46	6·6	41	7·1	41	6·3	36	4·7	39	5·6
1896	54	9·0	42	5·0	37	3·2	33	3·8	30	3·8	28	3·0	34	3·8	37	6·3	35	4·4	24	2·8	44	6·1	34	3·8	35	4·7	29	2·8	35	4·3
1897	49	8·7	47	8·0	39	5·4	39	5·3	40	6·7	35	5·4	40	6·2	54	9·9	47	8·0	44	8·0	55	10·6	53	10·0	51	9·3	49	6·3	46	7·7
1898	57	9·9	50	7·0	50	6·2	46	6·7	48	6·6	46	6·2	48	6·5	55	8·7	49	8·8	47	8·9	64	9·4	51	10·3	53	9·2	50	7·6	51	7·9
1899	51	8·9	52	8·4	47	7·1	40	6·0	42	6·4	37	5·3	44	6·6	51	12·1	48	8·5	43	8·1	52	10·0	46	8·7	48	9·5	41	6·3	46	8·1
1900	58	10·0	49	6·0	39	4·9	42	5·0	41	5·5	37	5·1	42	5·3	54	11·9	44	6·6	45	8·5	59	9·4	53	9·7	51	9·2	43	5·0	47	7·3
Means for 5 years, 1896–1900.	54	9·3	48	6·9	42	5·4	40	5·4	40	5·8	37	5·0	41	5·7	50	9·8	45	7·3	41	7·3	55	9·1	47	8·5	48	8·4	42	5·6	45	7·1
1901	50	8·3	45	6·4	34	4·1	36	4·2	35	4·3	31	4·1	36	4·6	45	10·3	40	5·1	35	7·1	49	8·3	41	7·8	42	7·7	38	6·8	39	6·2
1902	59	8·2	54	6·9	47	6·3	49	7·0	48	6·5	50	6·7	50	6·7	55	9·1	52	6·7	49	7·3	63	8·1	55	7·4	55	7·7	49	7·3	53	7·2
1903	50	9·2	46	5·2	40	5·8	33	7·2	38	7·5	35	8·1	38	6·8	41	7·5	42	5·8	37	8·5	50	6·1	43	7·4	43	7·1	43	5·9	41	7·0
1904	59	13·1	50	6·5	38	4·5	36	3·5	38	4·4	40	4·9	40	4·8	53	10·2	48	5·8	42	6·5	58	7·1	49	7·0	50	7·3	51	5·4	45	6·1
1905	53	6·3	45	4·6	40	4·2	43	6·5	42	5·6	40	6·7	42	5·5	38	7·1	36	5·9	44	6·9	44	5·7	44	6·4	41	6·4	43	5·5	42	6·0
Means for 40 years, 1866–1905.	—	7·8	—	6·0	—	5·5	—	5·5	—	6·1	—	5·6	—	5·7	—	8·1	—	6·8	—	7·2	—	7·5	—	7·7	—	7·5	—	—	—	6·6
	MEAN TEMPERATURE.																											
Means for 5 years, 1866–1870.	48°·5		50°·4		49°·8		52°·7		53°·1		53°·1		51°·8		51°·3		51°·8		53°·9		52°·5		53°·0		52°·5		° —		52°·2	
1871–1875	48·2		49·8		49·6		51·0		52·0		52·1		50·9		51·1		51·3		53·0		51·6		53·3		52·1		—		51·5	
1876–1880	47·2		48·9		49·4		51·1		51·3		51·9		50·5		50·2		50·5		52·0		50·1		52·0		51·0		—		50·8	
1881–1885	46·8		49·5		50·0		51·8		51·8		52·9		51·2		50·0		50·8		51·6		50·6		51·6		50·9		52·7		51·1	
1886–1890	47·6		49·2		49·5		51·4		51·5		52·6		50·8		50·1		50·8		51·9		50·7		52·1		51·1		52·8		51·0	
1891	47·5		48·2		48·8		50·7		50·8		52·3		50·2		50·1		50·5		51·5		50·5		51·7		50·9		53·0		50·6	
1892	46·8		48·2		49·6		51·6		51·6		52·5		50·7		49·6		50·8		51·8		50·6		52·2		51·0		53·6		50·9	
1893	51·0		52·0		52·0		54·2		55·3		56·3		54·0		53·6		54·9		56·5		54·8		56·1		55·2		57·6		54·6	
1894	48·4		48·3		49·3		51·5		51·4		53·2		50·7		50·0		51·2		52·1		50·5		52·2		51·2		53·8		51·0	
1895	49·2		50·3		50·8		52·3		53·0		53·5		52·0		51·6		52·2		53·2		52·0		53·1		52·4		54·0		52·2	
Means for 5 years, 1891–1895.	48·6		49·4		50·1		52·1		52·4		53·6		51·5		51·0		51·9		53·0		51·7		53·1		52·1		54·4		51·8	
1896	49·8		51·7		51·8		52·6		53·4		54·2		52·7		52·5		53·5		54·4		53·1		54·4		53·6		55·4		53·2	
1897	47·4		48·3		49·6		52·1		52·0		53·7		51·1		49·9		51·2		53·1		50·0		52·5		51·3		54·4		51·2	
1898	48·4		49·2		49·9		51·4		51·3		52·6		50·9		50·7		51·3		52·2		51·0		52·4		51·5		53·7		51·2	
1899	47·7		48·6		49·9		51·7		51·8		53·3		51·1		50·2		51·5		52·9		50·9		52·9		51·7		54·7		51·4	
1900	48·6		49·2		50·4		51·9		51·7		52·5		51·1		51·0		51·3		51·9		51·4		52·7		51·7		51·7		51·4	
Means for 5 years, 1896–1900.	48·4		49·4		50·3		51·9		52·0		53·3		51·4		50·9		51·8		52·9		51·3		53·0		52·0		54·0		51·7	
1901	48·9		49·4		50·7		51·8		52·1		52·8		51·4		50·6		51·8		52·9		50·5		52·1		51·6		54·1		51·5	
1902	46·1		46·6		48·1		49·8		49·4		50·4		48·9		48·6		49·3		50·3		48·8		50·4		49·5		52·2		49·2	
1903	47·3		48·4		49·1		51·0		50·6		51·9		50·2		49·9		50·7		51·9		50·3		52·0		51·0		53·2		50·6	
1904	48·5		49·4		51·5		52·8		51·9		53·1		51·7		50·6		51·5		52·4		50·6		52·3		51·5		53·9		51·6	
1905	47·8		49·0		50·5		52·3		51·7		52·9		51·3		50·7		51·3		52·4		51·2		53·3		51·8		53·8		51·6	
Means for 40 years, 1866–1905.	47·9		49·4		49·8		51·7		51·9		52·7		51·1		50·6		51·2		52·6		51·1		52·5		51·6		—		51·4	

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE FORTY YEARS, 1866 TO 1905.

		Wheat Districts.	Grazing Districts.	Wheat and Grazing Districts combined.
Rainfall	Driest	Ins. 3·1 in 1870 and 1893	Ins. 4·2 in 1887	Ins. 3·8 in 1893
	Wettest	9·4 in 1879	10·3 in 1872 and 1878 10·2 in 1879 and 1882	9·8 in 1879
Temperature	Coldest	48°·4 in 1879	49°·1 in 1879 and 1885	48°·8 in 1879
	Warmest	54°·0 in 1868 and 1893	55°·2 in 1893	54°·6 in 1893

375 Wt 82 8/05 D & S 23 22249

TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR PERIODS OF FOUR WEEKS OR FIVE WEEKS, AND THE PROGRESSIVE VALUES FROM JANUARY 1ST, 1905, FOR THE SECOND QUARTER, 1905.

1905. — FOUR WEEKS OR FIVE WEEKS ENDING.	Principal Wheat-producing Districts.														Principal Grazing Districts.														Channel Islands.		Means for Districts 1-10 combined.	
	0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Grazing Districts.							
	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.
RAINFALL.—NUMBERS OF DAYS WITH RAIN.																														
Apr. 29 -	21	99	19	75	19	58	18	65	19	65	17	65	18	64	17	81	18	74	19	70	18	88	21	84	18	79	19	78	18	72
May 27 -	17	116	13	88	9	67	7	72	6	71	5	70	8	72	10	91	6	80	5	75	11	99	9	93	8	87	5	83	8	80
July 1 -	15	131	13	101	12	79	18	90	17	88	18	88	16	88	11	102	12	92	20	95	15	114	14	107	14	101	19	102	15	95
RAINFALL.—AMOUNTS IN INCHES.																														
Apr. 29 -	2·45	19·73	1·95	8·47	1·82	4·79	1·82	5·62	1·82	6·46	1·56	7·70	1·79	6·60	2·53	15·82	2·20	9·61	2·72	11·42	2·00	11·96	2·81	13·07	2·45	12·38	1·83	9·79	2·12	9·50
May 27 -	1·96	21·69	1·26	9·73	0·73	5·52	0·76	6·38	0·72	7·18	0·79	8·49	0·85	7·45	1·62	17·44	0·82	10·43	0·70	12·12	1·06	13·02	1·27	14·34	1·09	13·47	0·82	10·61	0·97	10·47
July 1 -	1·84	23·53	1·39	11·12	1·61	7·13	3·91	10·29	3·09	10·27	4·31	12·80	2·86	10·31	2·94	20·38	2·88	13·31	3·46	15·58	2·67	15·69	2·28	16·62	2·85	16·32	2·82	13·43	2·88	13·33
ACCUMULATED TEMPERATURE.—DAY-DEGREES ABOVE 42° F.																														
Apr. 29 -	48	168	74	244	98	315	126	354	126	387	144	390	113	337	97	301	103	338	142	413	120	365	143	494	121	381	193	604	117	359
May 27 -	152	320	196	440	195	510	225	579	233	620	252	642	220	557	223	524	213	551	243	656	225	590	279	773	237	618	282	886	229	588
July 1 -	423	743	450	890	515	1,025	594	1,173	568	1,188	587	1,229	543	1,100	514	1,038	537	1,088	553	1,209	516	1,106	576	1,349	539	1,157	568	1,454	541	1,129
ACCUMULATED TEMPERATURE.—DAY-DEGREES BELOW 42° F.																														
Apr. 29 -	111	454	102	487	63	366	39	341	42	372	19	264	53	365	76	310	44	270	11	209	37	267	8	166	35	245	0	55	44	306
May 27 -	22	476	18	505	8	374	8	349	22	394	4	268	12	377	3	313	3	273	13	222	4	271	0	166	5	250	0	55	8	314
July 1 -	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
BRIGHT SUNSHINE.—NUMBERS OF HOURS.																														
Apr. 29 -	121	274	114	337	103	375	106	418	101	347	98	386	104	373	127	372	111	363	94	366	119	375	88	356	108	366	116	411	106	370
May 27 -	137	411	137	474	153	528	206	624	169	516	233	619	180	553	175	547	190	553	229	595	207	582	211	567	202	568	252	663	191	561
July 1 -	242	653	265	739	246	774	245	869	214	730	215	834	237	790	291	838	261	814	207	802	274	856	237	804	254	822	251	914	246	807
BRIGHT SUNSHINE.—PERCENTAGES OF POSSIBLE DURATION.																														
Apr. 29 -	30	22	29	27	26	29	28	33	26	27	26	30	27	29	32	29	29	28	25	28	31	29	23	28	28	29	30	32	27	29
May 27 -	30	24	31	28	35	31	48	36	39	30	54	36	41	32	40	32	43	32	54	35	47	34	49	33	46	33	60	38	44	33
July 1 -	39	28	44	32	42	34	43	38	37	32	38	36	41	34	49	36	45	35	37	35	47	37	41	35	44	36	45	40	42	35

EXPLANATION OF TABLES.

TABLES I. and IA. are in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884-1904. The whole of the values for 1878-1905, however, have been corrected by information which may have been received since they were first published.

TABLE II. In this Table the values given do not apply to calendar months but to periods of four weeks or five weeks ending at the dates shown.

The figures given in the columns headed "From Jan. 1, 1905" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for Wheat Producing Districts" the values for District 0, and in the "Means for Grazing Districts" the values for the "Channel Islands" are not included.

OFFICIAL COPY.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1905.

Twenty-eighth Year.
Vol. XXII. [*New Series.*] } APPENDIX I. THIRD QUARTER—JULY TO SEPTEMBER. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE THIRD QUARTER OF THE FORTY YEARS, 1866 TO 1905.

YEARS.	0. Scot-land, N.		Principal Wheat-producing Districts. 1. Scot-land, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		Principal Grazing Districts. 6. Scot-land, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Grazing Districts.		Channel Islands.		Means for Districts 1-10 combined.	
	RAINFALL.																													
	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.
Means for 5 years, 1866-1870.	—	10·6	—	8·8	—	6·3	—	6·1	—	7·4	—	7·3	—	7·2	—	10·9	—	9·9	—	10·1	—	9·8	—	8·6	—	9·8	—	—	—	8·6
1871-1875	—	13·1	—	10·7	—	8·4	—	7·5	—	9·1	—	8·0	—	8·7	—	13·2	—	12·9	—	14·1	—	12·2	—	10·8	—	12·6	—	—	—	10·7
1876-1880	—	9·6	—	8·9	—	9·2	—	9·0	—	10·1	—	8·7	—	9·2	—	11·7	—	12·3	—	11·6	—	11·1	—	10·7	—	11·5	—	—	—	10·4
1881-1885	56	7·8	51	7·9	46	7·3	45	7·4	45	7·5	44	6·6	46	7·3	53	11·8	49	9·8	52	10·0	60	10·3	53	10·2	53	10·4	54	7·6	50	8·9
1886-1890	60	10·3	51	7·4	46	7·6	45	7·3	43	6·8	40	6·9	45	7·2	51	10·9	47	9·3	46	9·1	58	10·3	50	9·1	50	9·7	46	7·1	48	8·5
1891	71	15·9	59	11·7	51	8·8	51	8·5	52	7·9	52	9·0	53	9·2	62	14·9	55	13·8	56	12·9	66	11·3	56	11·0	59	12·8	51	9·7	56	11·0
1892	66	15·0	51	8·3	44	6·6	40	8·2	46	7·5	44	8·4	45	7·8	53	15·5	53	12·1	51	10·0	62	12·0	53	13·2	54	12·5	43	7·2	50	10·2
1893	70	15·7	55	8·1	49	6·8	45	5·9	43	6·0	43	7·0	47	6·8	53	11·3	54	10·4	47	9·9	60	11·2	52	8·7	53	10·3	51	9·8	50	8·6
1894	53	10·5	48	8·9	49	6·2	54	7·6	44	6·8	51	9·2	49	7·7	40	7·3	44	8·0	52	10·7	54	6·8	45	8·8	47	8·3	54	11·9	48	8·0
1895	63	14·0	51	9·6	44	7·9	34	8·3	40	6·6	37	6·8	41	7·8	54	12·7	46	9·3	40	8·3	57	10·9	49	10·1	49	10·3	39	5·7	45	9·1
Means for 5 years, 1891-1895.	65	14·2	53	9·3	47	7·3	45	7·7	45	7·0	45	8·1	47	7·9	52	12·3	50	10·7	49	10·4	60	10·4	51	10·4	52	10·8	48	8·9	50	9·4
1896	59	13·5	59	9·3	52	6·9	49	8·2	51	8·3	46	9·1	51	8·4	60	13·9	55	11·3	49	10·0	64	13·5	56	12·7	57	12·3	50	9·6	54	10·4
1897	58	12·2	53	7·7	42	7·4	41	6·9	42	7·4	41	6·6	44	7·2	55	11·9	47	10·0	53	11·7	59	10·5	56	11·0	54	11·0	53	9·1	49	9·1
1898	57	13·1	43	6·5	30	3·8	21	2·9	25	4·2	19	2·8	28	4·0	49	11·1	40	7·2	29	5·4	51	8·9	42	9·0	42	8·3	34	3·7	35	6·2
1899	55	12·2	47	7·6	38	5·6	34	5·2	33	5·1	28	5·4	36	5·8	54	10·1	47	8·9	38	6·7	56	8·3	44	8·3	48	8·5	33	4·8	42	7·2
1900	60	12·9	50	9·6	35	7·3	32	5·5	31	6·1	29	4·1	35	6·5	57	14·7	42	9·5	43	6·6	52	8·8	41	9·7	47	9·9	40	4·3	41	8·2
Means for 5 years, 1896-1900.	58	12·8	50	8·1	39	6·2	35	5·7	36	6·2	33	5·6	39	6·4	55	12·3	46	9·4	42	8·1	56	10·0	48	10·1	49	10·0	42	6·3	44	8·2
1901	52	9·9	46	6·9	33	5·4	26	4·2	30	7·6	29	7·2	33	6·3	51	11·8	41	6·4	40	8·6	56	9·4	47	9·6	47	9·2	38	6·6	40	7·8
1902	65	10·1	53	6·9	46	5·4	40	6·8	45	6·4	43	6·8	45	6·5	52	12·6	52	6·4	46	7·4	62	9·6	46	7·8	52	8·8	47	5·8	49	7·7
1903	67	15·3	63	11·3	55	10·1	49	10·6	51	10·2	52	9·9	54	10·4	59	17·2	58	13·3	55	12·4	70	14·2	63	13·3	61	14·1	58	10·8	58	12·3
1904	58	11·5	48	7·3	35	6·1	33	5·6	34	7·4	35	5·7	37	6·4	43	12·4	44	7·8	44	9·5	60	11·7	50	11·1	48	10·5	49	7·5	43	8·5
1905	72	12·1	56	7·5	40	5·8	32	4·9	40	6·1	37	5·6	41	6·0	51	12·2	50	8·3	44	7·5	59	9·1	53	9·1	51	9·2	53	6·5	46	7·6
Means for 40 years, 1866-1905.	—	11·2	—	8·6	—	7·4	—	7·2	—	7·7	—	7·3	—	7·6	—	12·1	—	10·3	—	10·3	—	10·6	—	10·0	—	10·7	—	—	—	9·2
	MEAN TEMPERATURE.																													
Means for 5 years, 1866-1870.	54°·4		57°·1		57°·0		59°·7		58°·7		60°·1		58°·7		57°·9		59°·0		61°·0		58°·5		59°·5		59°·2		° —		59°·0	
1871-1875	54·5		56·7		57·5		59·7		59·6		60·0		58·7		57·7		58·5		60·4		57·2		58·8		58·5		—		58·6	
1876-1880	54·1		56·4		57·6		59·6		59·3		60·3		58·6		57·2		58·1		59·9		56·8		59·0		58·2		—		58·4	
1881-1885	53·1		56·3		57·3		59·0		58·2		59·9		58·1		55·9		57·2		58·1		56·2		57·2		56·9		59·8		57·6	
1886-1890	52·8		55·1		56·7		58·7		57·9		59·6		57·6		55·4		57·0		58·2		56·1		57·6		56·9		60·1		57·3	
1891	54·0		55·7		57·0		58·4		57·5		59·2		57·6		56·1		57·4		57·4		56·6		57·3		57·0		59·8		57·3	
1892	52·1		53·5		55·4		57·6		56·5		59·2		56·4		54·4		56·2		57·6		55·1		57·0		56·1		60·6		56·3	
1893	55·0		56·3		58·4		60·5		60·2		61·7		59·4		57·3		59·9		60·4		58·1		59·5		59·0		62·7		59·2	
1894	54·5		55·1		56·5		58·0		57·2		59·3		57·2		55·5		57·2		57·6		55·9		56·7		56·6		60·1		56·9	
1895	55·4		56·9		59·4		60·8		60·0		61·7		59·8		57·2		59·3		59·8		57·5		58·3		58·4		62·4		59·1	
Means for 5 years, 1891-1895.	54·2		55·5		57·3		59·1		58·3		60·2		58·1		56·1		58·0		58·6		56·6		57·8		57·4		61·1		57·8	
1896	53·8		55·1		57·6		59·4		58·3		60·9		58·3		56·1		58·1		59·4		56·1		58·1		57·6		61·8		58·0	
1897	54·9		55·9		57·4		59·3		58·6		60·9		58·4		56·6		58·3		59·2		56·8		58·1		57·8		61·3		58·1	
1898	54·9		56·9		58·7		60·6		60·1		62·3		59·7		57·4		59·2		60·7		58·1		60·3		59·1		63·2		59·4	
1899	56·0		57·0		59·1		61·6		61·2		63·4		60·5		57·7		59·9		62·3		58·5		60·3		59·7		64·4		60·1	
1900	55·0		55·9		58·7		61·4		60·0		61·7		59·5		56·8		58·8		60·1		57·5		59·0		58·4		62·6		59·0	
Means for 5 years, 1896-1900.	54·9		56·2		58·3		60·5		59·6		61·8		59·3		56·9		58·9		60·3		57·4		59·2		58·5		62·7		58·9	
1901	56·7		57·9		59·9		61·4		60·8		61·9		60·4		58·2		60·0		60·8		57·6		59·5		59·2		62·5		59·8	
1902	52·6		53·8		56·1		58·5		57·3		59·6		57·1		55·0		56·7		58·6		55·9		58·2		56·9		61·0		57·0	
1903	52·9		53·8		56·3		58·8		57·2		59·4		57·1		55·3		56·8		58·3		55·6		57·4		56·7		60·4		56·9	
1904	54·4		55·3		58·5		60·2		58·6		60·3		58·6		56·4		58·1		59·5		56·3		58·0		57·7		61·1		58·2	
1905	54·0		55·7		58·7		60·9		58·6		60·3		58·8		56·2		57·7		58·7		56·2		58·0		57·4		60·9		58·1	
Means for 40 years, 1866-1905.	54·0		56·1		57·5		59·5		58·9		60·3		58·5		56·7		58·1		59·5		56·9		58·4		57·9		—		58 2	

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE FORTY YEARS, 1866 TO 1905.

		Wheat Districts.	Grazing Districts.	Wheat and Grazing Districts combined.
Rainfall	Driest	Ins. 4·0 in 1898	Ins. 6·4 in 1870	Ins. 5·7 in 1870
	Wettest	10·6 in 1879	14·2 in 1872	12·4 in 1879
Temperature	Coldest	55°·7 in 1888	55°·5 in 1888	55°·6 in 1888
	Warmest	60°·9 in 1868	60°·8 in 1868	60°·9 in 1868

375 Wt 82 11/05 D & S 23 22867

TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR PERIODS OF FOUR WEEKS OR FIVE WEEKS, AND THE PROGRESSIVE VALUES FROM JANUARY 1ST, 1905, FOR THE THIRD QUARTER, 1905.

1905. — FOUR WEEKS OR FIVE WEEKS ENDING.	Principal Wheat-producing Districts.														Principal Grazing Districts.												Channel Islands.		Means for Districts 1-10 combined.	
	0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Grazing Districts.					
	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.
RAINFALL.—NUMBERS OF DAYS WITH RAIN.																														
July 29 -	22	153	15	116	8	87	6	96	8	96	7	95	9	97	16	118	14	107	10	105	17	131	14	121	14	115	11	113	12	107
Aug. 26 -	23	176	19	135	15	102	11	107	17	113	14	109	15	112	16	134	17	124	18	123	21	152	19	140	18	133	19	132	16	123
Sept. 30 -	27	203	22	157	17	119	15	122	15	128	16	125	17	129	19	153	19	143	16	139	21	173	20	160	19	152	23	155	18	141
RAINFALL.—AMOUNTS IN INCHES.																														
July 29 -	2·97	26·50	2·02	13·14	1·02	8·15	0·61	10·90	1·00	11·27	0·58	13·38	1·05	11·36	2·99	23·37	1·94	15·25	0·89	16·47	1·83	17·52	1·59	18·21	1·85	18·17	0·54	13·97	1·45	14·78
Aug. 26 -	4·24	30·74	2·96	16·10	2·44	10·59	1·19	12·08	2·88	14·15	1·90	15·28	2·27	13·63	4·83	28·20	3·37	18·62	3·71	20·18	4·47	21·99	4·77	22·98	4·23	22·40	2·38	16·35	3·25	18·03
Sept. 30 -	4·89	35·63	2·56	18·66	2·31	12·90	3·06	15·14	2·25	16·40	3·14	18·42	2·66	16·29	4·39	32·59	3·02	21·64	2·89	23·07	2·82	24·81	2·77	25·75	3·18	25·58	3·54	19·89	2·92	20·95
ACCUMULATED TEMPERATURE.—DAY-DEGREES ABOVE 42° F.																														
July 29 -	389	1,132	471	1,361	575	1,600	642	1,815	588	1,776	615	1,844	578	1,678	482	1,520	531	1,619	566	1,775	472	1,578	551	1,900	520	1,677	592	2,046	549	1,678
Aug. 6 -	336	1,468	371	1,732	463	2,063	530	2,345	462	2,238	520	2,364	469	2,147	392	1,912	443	2,062	465	2,240	389	1,967	436	2,336	425	2,102	551	2,597	447	2,125
Sept. 30 -	334	1,802	363	2,095	442	2,505	504	2,849	419	2,657	485	2,849	443	2,590	379	2,291	417	2,479	415	2,685	395	2,362	437	2,773	415	2,517	548	3,145	429	2,554
ACCUMULATED TEMPERATURE.—DAY-DEGREES BELOW 42° F.																														
July 29 -	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
Aug. 6 -	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
Sept. 30 -	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
BRIGHT SUNSHINE.—NUMBERS OF HOURS.																														
July 29 -	124	777	175	914	214	988	231	1,100	216	946	223	1,057	212	1,002	164	1,002	193	1,007	183	985	125	981	121	925	157	979	206	1,120	184	991
Aug. 6 -	117	894	142	1,056	174	1,162	184	1,284	163	1,109	188	1,245	170	1,172	152	1,154	148	1,155	163	1,148	129	1,110	138	1,063	146	1,125	194	1,314	158	1,149
Sept. 30 -	125	1,019	127	1,183	150	1,312	151	1,435	129	1,238	134	1,379	138	1,310	146	1,300	135	1,290	168	1,316	123	1,233	127	1,190	140	1,265	182	1,496	139	1,288
BRIGHT SUNSHINE.—PERCENTAGES OF POSSIBLE DURATION.																														
July 29 -	26	28	37	33	47	36	51	40	48	34	50	39	47	36	35	36	43	37	41	36	27	36	27	34	35	36	47	41	41	36
Aug. 6 -	27	28	34	33	42	37	45	41	40	35	46	40	41	37	36	36	36	36	40	37	31	35	33	34	35	36	48	42	38	36
Sept. 30 -	28	28	28	32	34	36	34	40	29	34	30	39	31	36	33	36	30	36	38	37	28	34	29	33	31	35	41	42	31	36

EXPLANATION OF TABLES.

TABLES I. and IA. are in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884-1904. The whole of the values for 1878-1905, however, have been corrected by information which may have been received since they were first published.

TABLE II. In this Table the values given do not apply to calendar months but to periods of four weeks or five weeks ending at the dates shown.

The figures given in the columns headed "From Jan. 1, 1905" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for Wheat Producing Districts" the values for District 0, and in the "Means for Grazing Districts" the values for the "Channel Islands" are not included.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1905.

Twenty-eighth Year. Vol. XXII. [*New Series.*] APPENDIX I. FOURTH QUARTER—OCTOBER TO DECEMBER. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE FOURTH QUARTER OF THE FORTY YEARS, 1866 TO 1905.

YEARS.	0. SCOTLAND, N.		Principal Wheat-producing Districts. 1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		Principal Grazing Districts. 6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING DISTRICTS.		CHANNEL ISLANDS.		MEANS FOR DISTRICTS 1-10 COMBINED.	
	RAINFALL.																													
	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.
Means for 5 years, 1866-1870.	—	18·4	—	8·8	—	7·7	—	7·4	—	7·6	—	8·3	—	8·0	—	12·9	—	14·7	—	14·6	—	12·6	—	10·5	—	13·1	—	—	—	10·6
1871-1875	—	17·2	—	10·4	—	7·7	—	7·2	—	7·9	—	9·9	—	8·6	—	13·1	—	13·3	—	16·3	—	11·1	—	12·1	—	13·2	—	—	—	10·9
1876-1880	—	13·8	—	9·1	—	8·1	—	7·2	—	8·1	—	9·5	—	8·4	—	12·8	—	12·0	—	14·1	—	11·0	—	11·3	—	12·2	—	—	—	10·3
1881-1885	68	12·7	54	7·2	55	7·3	59	8·8	55	8·6	52	8·9	55	8·2	58	15·8	56	11·0	62	13·7	64	11·8	61	11·8	60	12·8	67	12·4	58	10·5
1886-1890	71	15·0	57	8·5	53	7·3	51	6·6	50	7·2	52	8·8	53	7·7	58	15·3	59	10·7	62	13·6	64	12·1	59	12·6	60	12·9	69	11·9	57	10·3
1891	61	15·9	51	9·7	52	7·8	62	9·0	60	11·4	62	13·6	57	10·3	60	20·8	58	14·2	64	18·2	64	12·4	61	16·5	61	16·4	66	14·6	59	13·4
1892	65	14·5	53	8·0	55	7·3	49	8·9	48	6·1	47	8·6	50	7·8	57	13·0	56	10·5	57	10·1	68	10·5	59	11·3	59	11·1	63	10·3	55	9·5
1893	76	24·2	57	8·2	52	5·9	55	7·7	50	6·7	51	8·9	53	7·5	65	16·4	61	10·4	56	12·1	65	10·1	57	10·4	61	11·9	61	9·2	57	9·7
1894	66	15·8	48	7·4	54	7·0	56	7·7	53	8·9	52	10·8	53	8·4	62	15·3	58	11·4	55	16·2	60	10·9	53	14·1	58	13·6	58	12·3	56	11·0
1895	66	16·6	58	10·6	55	8·2	52	7·4	53	8·6	56	10·5	55	9·1	53	14·2	59	11·9	65	16·6	63	12·7	62	13·8	60	13·8	74	15·3	58	11·5
Means for 5 years, 1891-1895.	67	17·4	53	8·8	54	7·2	55	8·1	53	8·3	54	10·5	54	8·6	59	15·9	58	11·7	59	14·6	64	11·3	58	13·2	60	13·3	64	12·3	57	11·0
1896	71	15·9	62	10·4	68	11·1	61	8·0	58	8·2	57	9·3	61	9·4	58	13·1	57	11·2	63	14·0	62	10·4	58	11·5	60	12·0	76	12·9	61	10·7
1897	59	14·7	47	7·7	43	5·2	37	3·9	42	6·0	37	5·5	41	5·7	55	14·4	44	11·2	44	11·0	54	10·4	49	15·0	49	12·4	46	8·9	45	9·1
1898	71	24·4	59	11·4	52	8·5	48	7·2	50	8·3	48	9·2	51	8·9	62	16·1	63	10·5	64	15·3	69	11·7	64	13·5	64	13·4	68	12·7	58	11·2
1899	67	18·5	48	8·6	40	6·3	38	6·6	35	6·9	34	8·4	39	7·4	59	16·6	41	9·3	45	11·4	58	11·2	50	13·2	51	12·3	46	9·9	45	9·9
1900	76	22·3	71	12·8	60	9·2	60	5·9	61	8·3	59	8·8	62	9·0	72	23·6	64	13·4	69	15·9	71	15·2	67	18·8	69	17·4	71	12·2	66	13·2
Means for 5 years, 1896-1900.	69	19·2	57	10·2	53	8·1	49	6·3	49	7·5	47	8·2	51	8·1	61	16·8	54	11·1	57	13·5	63	11·8	58	14·4	59	13·5	61	11·3	55	10·8
1901	71	15·5	55	8·7	46	9·5	44	7·4	41	6·9	41	6·8	45	7·9	64	17·5	53	11·8	49	9·9	66	12·6	55	10·9	57	12·5	58	10·3	51	10·2
1902	62	15·9	59	8·7	51	6·5	48	4·7	50	7·4	51	7·5	52	7·0	62	18·0	56	9·7	56	12·0	62	10·7	62	12·9	60	12·7	68	10·2	56	9·9
1903	65	16·6	63	10·0	55	10·0	52	7·6	57	9·3	56	11·0	57	9·6	66	19·1	63	13·4	65	15·5	71	12·7	66	12·3	66	14·6	74	13·2	61	12·1
1904	74	14·4	47	4·7	37	4·3	41	4·6	40	4·2	42	6·7	41	4·9	53	11·4	44	8·1	47	9·0	65	9·1	50	7·6	52	9·0	61	10·3	47	7·0
1905	72	14·5	61	9·9	50	6·9	48	5·2	46	5·3	45	7·0	50	6·9	53	12·5	49	8·4	46	8·6	65	10·1	53	7·8	53	9·5	58	9·1	52	8·2
Means for 40 years, 1866-1905.	—	16·1	—	8·9	—	7·6	—	7·2	—	7·8	—	9·0	—	8·1	—	14·8	—	11·8	—	13·9	—	11·6	—	12·0	—	12·8	—	—	—	10·5
	MEAN TEMPERATURE.																													
Means for 5 years, 1866-1870.	42°1		42°1		42°5		43°6		43°4		44°2		43°2		43°2		43°8		47°0		44°0		45°2		44°6		°		43°9	
1871-1875	42·4		41·8		42·7		42·9		42·8		43·6		42·8		42·7		43·6		46·3		43·3		45·4		44·3		—		43·6	
1876-1880	41·7		41·6		42·3		42·9		42·4		44·2		42·7		42·9		43·7		47·1		43·6		45·6		44·6		—		43·7	
1881-1885	42·6		42·0		43·4		43·4		43·0		45·1		43·4		43·5		44·1		46·5		43·9		45·6		44·7		49·1		44·1	
1886-1890	42·1		41·8		42·6		42·3		42·1		44·1		42·6		43·6		43·6		45·2		44·2		45·5		44·0		48·7		43·5	
1891	42·0		40·8		42·3		43·6		42·5		45·6		43·0		43·4		43·7		45·9		43·3		44·8		44·2		49·4		43·6	
1892	40·2		39·1		40·9		41·5		40·5		43·5		41·1		41·5		42·1		44·5		42·9		44·6		43·1		48·2		42·1	
1893	41·9		42·0		44·0		43·9		43·4		45·3		43·7		44·1		45·3		46·0		44·0		45·5		45·0		49·4		44·4	
1894	44·0		42·7		44·7		45·5		45·2		47·4		45·1		45·6		46·7		48·0		45·6		47·3		46·6		51·2		45·9	
1895	41·2		40·5		43·0		43·8		42·9		46·0		43·2		43·0		44·2		46·6		43·0		45·3		44·4		51·0		43·8	
Means for 5 years, 1891-1895.	41·9		41·0		43·0		43·7		42·9		45·6		43·2		43·5		44·4		46·2		43·8		45·5		44·7		49·8		44·0	
1896	41·2		40·5		41·9		41·8		40·9		43·5		41·7		42·1		42·5		43·3		42·2		43·3		42·7		47·5		42·2	
1897	43·2		42·9		45·0		44·4		44·2		47·4		44·8		45·8		46·6		48·1		46·2		48·4		47·0		51·5		45·9	
1898	44·3		44·2		47·0		47·4		46·7		49·3		46·9		46·8		48·1		49·5		47·1		48·8		48·1		52·7		47·5	
1899	44·0		42·8		43·9		44·0		42·9		46·2		44·0		44·7		44·8		47·0		46·1		47·6		46·0		51·1		45·0	
1900	43·4		43·2		46·1		46·7		46·0		48·3		46·1		45·3		46·9		48·2		45·5		47·4		46·7		52·2		46·4	
Means for 5 years, 1896-1900.	43·2		42·7		44·8		44·9		44·1		46·9		44·7		44·9		45·8		47·2		45·4		47·1		46·1		51·0		45·4	
1901	41·8		41·1		43·0		43·5		42·3		45·0		43·0		43·2		44·1		45·2		44·4		45·5		44·5		49·6		43·8	
1902	43·9		42·9		44·9		44·7		44·1		45·8		44·5		45·2		45·3		46·6		45·9		47·5		46·1		49·9		45·3	
1903	41·2		40·7		43·0		44·1		42·9		45·4		43·2		43·1		43·9		46·1		43·9		45·1		44·4		49·5		43·8	
1904	42·3		41·9		43·4		44·0		42·6		45·3		43·4		43·7		44·1		46·0		45·0		47·0		45·2		50·5		44·3	
1905	42·0		41·7		42·5		42·4		41·8		43·3		42·3		43·3		43·5		43·8		44·3		45·0		45·0		48·1		43·7	
Means for 40 years, 1866-1905.	42·3		41·8		43·1		43·4		42·9		44·8		43·2		43·5		44·1		46·4		44·1		45·7		44·8		—		44·0	

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE FORTY YEARS, 1866 TO 1905.

		Wheat Districts.	Grazing Districts.	Wheat and Grazing Districts combined.
Rainfall	Driest	Ins. 3·4 in 1879	Ins. 5·0 in 1879	Ins. 4·2 in 1879
	Wettest	13·1 in 1872	18·6 in 1872	15·9 in 1872
Temperature	Coldest	40°3 in 1887	41°9 in 1887	° 41·1 in 1887
	Warmest	46·9 in 1898	48·1 in 1898	47·5 in 1898

375 Wt 82 2/06 D & S 23 23587

TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR PERIODS OF FOUR WEEKS OR FIVE WEEKS, AND THE PROGRESSIVE VALUES FROM JANUARY 1ST, 1905, FOR THE FOURTH QUARTER, 1905.

1905. — FOUR WEEKS OR FIVE WEEKS ENDING.	0. SCOTLAND, N.		Principal Wheat-producing Districts.										MEANS FOR WHEAT-PRODUCING DISTRICTS.		Principal Grazing Districts.												MEANS FOR GRAZING DISTRICTS.		CHANNEL ISLANDS.		MEANS FOR DISTRICTS 1-10 COMBINED.	
			1. SCOTLAND E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.				6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.							
	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.	For the Period.	From Jan. 1, 1905.
RAINFALL.—NUMBERS OF DAYS WITH RAIN.																														
Oct. 28 -	25	228	19	176	19	138	17	139	13	141	11	136	16	145	14	167	13	156	11	150	18	191	11	171	13	165	16	171	15	156
Nov. 25 -	22	250	22	198	20	158	18	157	18	159	20	156	20	165	16	183	20	176	19	169	22	213	21	192	20	185	23	194	20	176
Dec. 30 -	25	275	20	218	11	169	13	170	15	174	14	170	15	180	23	206	16	192	16	185	25	238	21	213	20	205	19	213	18	194
RAINFALL.—AMOUNTS IN INCHES.																														
Oct. 28 -	4·38	40·01	2·35	21·01	2·41	15·31	1·73	16·87	1·05	17·45	0·76	19·18	1·66	17·95	3·62	36·21	2·62	24·26	1·16	24·23	2·17	26·98	1·03	26·78	2·12	27·70	1·03	20·92	1·89	22·84
Nov. 25 -	4·41	44·42	4·91	25·96	3·14	18·45	2·03	18·90	2·75	20·20	4·72	23·90	3·51	21·46	3·81	40·02	3·42	27·68	4·90	29·13	3·73	30·71	3·46	30·24	3·86	31·56	5·99	26·91	3·68	26·52
Dec. 30 -	5·70	50·12	2·64	28·60	1·36	19·81	1·39	20·29	1·50	21·70	1·47	25·37	1·67	23·13	5·06	45·08	2·35	30·03	2·56	31·69	4·18	34·89	3·33	33·57	3·50	35·06	2·05	28·96	2·58	29·10
ACCUMULATED TEMPERATURE.—DAY-DEGREES ABOVE 42° F.																														
Oct. 28 -	102	1,904	119	2,214	132	2,637	127	2,976	130	2,787	148	2,997	131	2,721	118	2,439	149	2,628	172	2,857	161	2,523	188	2,961	164	2,681	239	3,384	147	2,701
Nov. 25 -	53	1,957	43	2,257	67	2,704	78	3,054	68	2,855	93	3,090	70	2,791	65	2,504	66	2,694	94	2,951	73	2,596	91	3,052	78	2,759	163	3,547	74	2,775
Dec. 30 -	73	2,030	78	2,335	65	2,769	47	3,101	54	2,909	74	3,164	64	2,855	90	2,594	91	2,785	101	3,052	115	2,711	163	3,215	112	2,871	161	3,708	88	2,863
ACCUMULATED TEMPERATURE.—DAY-DEGREES BELOW 42° F.																														
Oct. 28 -	58	534	56	561	52	426	67	416	77	471	70	338	64	441	66	379	48	321	72	294	42	313	56	222	57	307	3	58	61	375
Nov. 25 -	74	608	107	668	77	503	74	490	93	564	73	411	85	526	66	445	67	388	84	378	64	377	83	305	73	380	3	61	79	454
Dec. 30 -	84	692	94	762	90	593	115	605	118	682	75	486	98	624	43	488	48	436	61	439	23	400	20	325	39	419	3	64	68	522
BRIGHT SUNSHINE.—NUMBERS OF HOURS.																														
Oct. 28 -	58	1,077	91	1,274	94	1,406	98	1,533	89	1,327	108	1,487	96	1,406	102	1,402	90	1,380	113	1,429	85	1,318	102	1,292	98	1,363	106	1,602	97	1,385
Nov. 25 -	38	1,115	52	1,326	60	1,466	66	1,599	51	1,378	65	1,552	59	1,465	57	1,459	56	1,436	89	1,518	52	1,370	68	1,360	64	1,427	81	1,683	62	1,147
Dec. 30 -	29	1,144	47	1,373	53	1,519	45	1,644	46	1,424	44	1,596	47	1,512	43	1,502	56	1,492	61	1,579	48	1,418	45	1,405	50	1,477	68	1,751	48	1,495
BRIGHT SUNSHINE.—PERCENTAGES OF POSSIBLE DURATION.																														
Oct. 28 -	26	27	32	32	32	36	33	39	30	34	36	38	33	36	35	36	31	35	38	37	29	34	35	33	33	35	36	42	33	35
Nov. 25 -	17	27	23	32	25	35	27	39	21	33	26	38	24	35	24	35	23	35	35	37	22	33	28	33	26	34	32	41	25	35
Dec. 30 -	13	26	20	31	21	35	17	37	17	32	16	36	18	34	17	34	22	34	22	36	19	32	17	32	19	34	24	40	18	34

EXPLANATION OF TABLES.

TABLES I. and IA. are in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884-1904. The whole of the values for 1878-1905, however, have been corrected by information which may have been received since they were first published.

TABLE II. In this Table the values given do not apply to calendar months but to periods of four weeks or five weeks ending at the dates shown.

The figures given in the columns headed "From Jan. 1, 1905" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for Wheat-Producing Districts" the values for District 0, and in the "Means for Grazing Districts" the values for the "Channel Islands" are not included.

SUMMARY OF THE WEEKLY WEATHER REPORT, 1905.

Twenty-eighth Year.
Vol. XXII. [*New Series.*] } APPENDIX I. VALUES FOR THE WHOLE YEAR. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE FOR THE WHOLE YEAR DURING THE FORTY YEARS, 1866 TO 1905.

YEARS.	0 SCOTLAND, N.		Principal Wheat-producing Districts. 1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		Principal Grazing Districts. 6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING DISTRICTS.		CHANNEL ISLANDS.		MEANS FOR DISTRICTS 1-10 COMBINED.	
	RAINFALL.																															
	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.	Days.	Ins.
Means for 5 years, 1866-1870.	—	50·4	—	32·9	—	25·0	—	23·8	—	27·3	—	29·2	—	27·6	—	43·5	—	42·9	—	45·4	—	41·7	—	37·4	—	42·2	—	—	—	34·9
1871-1875	—	47·8	—	35·4	—	26·5	—	24·6	—	30·1	—	31·4	—	29·6	—	44·7	—	44·0	—	52·0	—	40·3	—	39·6	—	44·1	—	—	—	36·9
1876-1880	—	38·6	—	32·0	—	29·8	—	29·0	—	32·2	—	32·5	—	31·1	—	44·2	—	41·4	—	44·6	—	39·6	—	41·9	—	42·3	—	—	—	36·7
1881-1885	241	37·1	198	26·4	188	25·5	187	27·2	186	29·0	177	27·4	187	27·1	216	48·1	198	36·6	211	40·7	236	38·6	217	41·7	216	41·1	222	33·8	202	34·1
1886-1890	251	44·3	203	27·7	187	24·9	184	23·7	176	25·6	177	26·8	185	25·7	207	45·7	197	33·3	200	37·4	223	37·9	204	38·7	206	38·6	217	32·0	196	32·2
1891	242	52·8	184	30·9	181	24·6	197	26·8	192	30·1	190	33·2	188	29·1	205	49·9	186	38·3	200	45·1	225	35·3	204	41·5	203	42·0	201	36·7	197	35·6
1892	253	49·8	201	28·2	197	25·6	180	27·2	176	23·1	160	24·4	183	25·7	206	46·5	205	37·2	192	31·1	232	38·0	203	40·1	208	38·6	195	29·2	196	32·2
1893	252	57·9	199	27·3	173	20·4	171	21·1	164	20·8	162	23·5	174	22·6	205	43·1	191	31·4	173	33·7	217	34·0	189	32·6	195	35·0	185	28·4	185	28·8
1894	234	53·5	201	33·9	208	25·8	205	26·6	196	27·4	196	32·1	201	29·2	219	49·5	213	36·3	214	44·9	234	38·0	212	43·5	218	42·4	221	38·6	210	35·8
1895	237	49·3	195	31·5	189	27·7	165	24·2	163	24·7	160	24·9	174	26·6	196	38·3	183	32·3	177	37·3	218	35·6	192	38·0	193	36·3	199	31·9	184	31·5
Means for 5 years, 1891-1895.	244	52·7	196	30·4	190	24·8	184	25·2	178	25·2	174	27·6	184	26·6	206	45·5	196	35·1	191	38·4	225	36·2	200	39·1	204	38·9	200	33·0	194	32·8
1896	252	56·2	213	29·5	196	25·3	190	24·9	184	24·6	173	25·8	191	26·0	216	45·4	200	35·2	186	33·7	226	39·2	199	36·8	205	38·1	208	30·2	198	32·1
1897	231	46·6	204	30·3	183	24·4	174	23·0	178	28·0	168	26·7	180	26·5	222	47·5	199	37·1	206	43·7	234	41·1	219	47·8	215	43·4	218	35·9	201	35·0
1898	262	66·1	204	29·7	176	21·9	156	20·3	162	22·0	150	21·7	170	23·1	228	46·4	202	33·8	188	35·6	245	37·8	202	39·4	213	38·6	208	28·4	192	30·9
1899	233	53·3	200	33·0	173	24·3	158	22·4	154	25·2	137	25·0	164	26·0	221	51·9	187	35·6	175	38·7	228	38·4	191	42·7	200	41·5	169	29·1	182	33·8
1900	260	56·9	224	37·2	188	29·2	189	23·9	183	28·5	175	27·3	192	29·2	237	62·4	202	38·7	213	44·5	242	41·6	217	48·1	222	47·1	219	33·9	207	38·2
Means for 5 years, 1896-1900.	248	55·8	209	31·9	183	25·0	173	22·9	172	25·7	161	25·3	180	26·2	225	50·7	198	36·1	194	39·2	235	39·6	206	43·0	212	41·7	204	31·5	196	34·0
1901	237	44·3	198	28·5	168	24·6	158	20·9	155	25·4	146	24·2	165	24·7	210	49·6	185	30·0	171	34·9	230	38·4	191	36·9	197	38·0	197	31·7	181	31·4
1902	254	48·8	216	27·2	185	21·9	179	21·7	181	24·9	179	25·9	188	24·3	229	53·0	213	29·3	198	34·3	250	37·1	212	37·2	220	38·2	215	29·2	204	31·2
1903	257	65·7	232	39·1	197	31·0	178	30·1	194	34·4	197	35·8	200	34·1	241	66·4	226	44·4	221	48·6	265	47·2	242	48·7	239	51·1	241	38·7	220	42·6
1904	253	52·0	201	26·0	164	20·3	164	19·6	173	23·7	177	26·3	175	23·2	206	48·1	192	31·3	195	37·3	250	38 5	216	38·8	210	38·8	228	36·0	193	31·0
1905	275	50·2	218	28·5	169	19·9	170	20·4	174	21·6	170	25·4	180	23·2	206	45·1	192	30·0	185	31·7	238	34·9	213	33·6	207	35·1	213	29·1	194	29·2
Means for 40 years, 1866-1905.	—	47·4	—	30·8	—	25·6	—	24·9	—	27·6	—	28·5	—	27·5	—	46·9	—	37·8	—	41·9	—	39·1	—	40·1	—	41·2	—	—	—	34·4
	MEAN TEMPERATURE.																															
Means for 5 years, 1866-1870.	45°·9		47°·2		47°·1		49°·0		49°·1		49°·5		48°·4		48°·1		48°·8		51°·3		48°·9		50°·0		49°·4		°		48°·9			
1871-1875	46°·3		47°·1		47°·4		48°·4		48°·8		49°·3		48°·2		48°·1		48°·6		50°·9		48°·4		50°·3		49°·3		—		48°·8			
1876-1880	45°·4		46°·3		47°·1		48°·3		48°·2		49°·3		47°·8		47°·6		48°·1		50°·6		47°·9		50°·1		48°·9		—		48°·4			
1881-1885	45°·3		46°·6		47°·5		48°·5		48°·2		49°·8		48°·1		47°·4		48°·2		49°·7		48°·0		49°·4		48°·5		51°·6		48°·3			
1886-1890	45°·2		46°·1		46°·8		47°·4		47°·3		48°·8		47°·3		47°·1		47°·6		48°·9		47°·9		49°·3		48°·2		51°·2		47°·8			
1891	45°·5		45°·7		46°·5		47°·5		47°·2		48°·9		47°·2		47°·3		47°·8		48°·8		47°·8		49°·0		48°·1		51°·3		47°·7			
1892	43°·9		44°·2		45°·7		46°·8		46°·3		48°·4		46°·3		45°·9		46°·8		48°·4		47°·0		48°·5		47°·3		51°·4		46°·8			
1893	46°·7		47°·3		48°·7		49°·6		49°·8		51°·2		49°·3		48°·9		50°·3		51°·4		49°·8		51°·2		50°·3		53°·9		49°·8			
1894	46°·5		46°·2		47°·6		48°·8		48°·6		50°·4		48°·3		48°·0		49°·3		50°·1		48°·5		50°·0		49°·2		52°·7		48°·8			
1895	45°·0		45°·1		47°·0		47°·8		47°·4		49°·1		47°·3		46°·7		47°·7		49°·0		47°·3		48°·8		47°·9		51°·8		47°·6			
Means for 5 years, 1891-1895.	45°·5		45°·7		47°·1		48°·1		47°·9		49°·6		47°·7		47°·4		48°·4		49°·5		48°·1		49°·5		48°·6		52°·2		48°·2			
1896	46°·4		46°·9		48°·1		48°·7		48°·5		50°·3		48°·5		48°·3		49°·2		50°·3		48°·7		50°·3		49°·4		52°·9		49°·0			
1897	45°·8		46°·1		47°·9		48°·9		48°·7		50°·9		48°·5		48°·0		49°·1		50°·7		48°·4		50°·5		49°·3		53°·2		48°·9			
1898	46°·9		47°·7		49°·2		50°·0		49°·7		51°·6		49°·6		49°·2		50°·2		51°·4		49°·7		51°·5		50°·4		53°·9		50°·0			
1899	46°·5		46°·6		48°·3		49°·6		49°·2		51°·4		49°·0		48°·3		49°·5		51°·4		49°·3		51°·2		49°·9		54°·3		49°·5			
1900	45°·9		46°·1		48°·2		49°·5		48°·9		50°·6		48°·7		47°·8		48°·9		50°·2		48°·4		49°·8		49°·0		53°·4		48°·9			
Means for 5 years, 1896-1900.	46°·3		46°·7		48°·3		49°·3		49°·0		51°·0		48°·9		48°·3		49°·4		50°·8		48°·9		50°·6		49°·6		53°·5		49°·3			
1901	46°·4		46°·4		47°·9		48°·5		48°·1		49°·6		48°·1		47°·8		48°·6		49°·7		48°·1		49°·5		48°·7		52°·4		48°·4			
1902	45°·1		45°·2		47°·2		48°·2		47°·7		49°·3		47°·5		47°·1		47°·9		49°·4		48°·0		49°·8		48°·4		52°·1		48°·0			
1903	45°·3		45°·7		47°·7		49 3		48°·3		50°·2		48°·2		47°·6		48°·6		50°·2		48°·1		49°·7		48°·8		52°·5		48°·6			
1904	45°·9		46°·0		48°·1		49°·1		48°·0		49°·7		48°·2		47°·6		48°·3		49°·9		48°·0		49°·8		48°·7		51°·5		48°·5			
1905	45°·9		46°·6		48°·2		49°·2		48°·3		49 6		48°·4		48 0		48°·6		49°·4		48°·8		50°·1		49°·0		52°·2		48°·7			
Means for 40 years, 1866-1905.	45°·7		46°·4		47°·4		48°·5		48°·3		49°·6		48°·0		47°·7		48°·5		50°·2		48°·3		49°·9		48°·9		—		48°·5			

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST YEARS FOR THE FORTY YEARS, 1866 TO 1905.

		Wheat Districts.	Grazing Districts.	Wheat and Grazing Districts combined.
Rainfall	Driest	Ins. 21·0 in 1887	Ins. 30·5 in 1887	Ins. 25·8 in 1887
	Wettest	40·2 in 1872	58·0 in 1872	49·1 in 1872
Temperature	Coldest	45°·5 in 1879	46°·9 in 1879	46°·2 in 1879
	Warmest	50·1 in 1868	50·7 in 1868	50·4 in 1868

375 Wt 82 2/06 D & S 23 23586

NOTES.

1.—Rainfall.

The values for the Rainfall in the Districts given in Table I. in the various Quarterly and Annual Summaries have been obtained from the observations published in the Weekly Weather Report for the years 1878 to 1905, supplemented by observations taken at the following stations for the years 1866–1877.

Districts.		Stations.
0. SCOTLAND, N.		Loch Broom.
		Helmsdale.
		Sandwick Manse.
1. SCOTLAND, E.		Inverness.
		Aberdeen.
		Ballater.
		Logierait.
		Stirling.
		Hawick.
2. ENGLAND, N.E.		North Shields.
		York.
		Grimsby.
		Boston.
3. ENGLAND, E.	1866 to 1875.	Fakenham.
		Beccles.
		Witham.
		Bury St. Edmunds.
	1876 & 1877.	Great Yarmouth.
		Cambridge.
		Bury St. Edmunds.
4. MIDLAND COUNTIES		Leicester.
		Derby.
		Tenbury.
		Shiffnal.
		Cirencester.
		Banbury.
		Hitchin.
5. ENGLAND, S.		Bridport.
		Selborne.
		Maidstone.
		London (Camden Town).
6. SCOTLAND, W.		Dumfries.
		Ayr.
		Castle Toward.
7. ENGLAND, N.W., and N. WALES		Llandudno.
		Manchester.
		Skipton.
8. ENGLAND, S.W., and S. WALES		Barnstaple.
		Bodmin.
		Haverfordwest.
		Rhayader.
9. IRELAND, N.		Galway.
		Bunninadden, Co. Sligo. (Doo Castle.)
		Waringstown.
		Strabane.
10. IRELAND, S.		Cork.
		Waterford.
		Killaloe.
		Portarlington.
		Monkstown, Co. Dublin.

The values for these stations were extracted chiefly from Symons' Monthly Meteorological Magazine, or from the Reports of the Rainfall Committee of the British Association, 1868–1876.

2.—Temperature.

The values for Temperature in the several Districts given in Table I. of the various Quarterly and Annual Summaries have been obtained from the observations published in the Weekly Weather Report for the years 1878–1905, supplemented by observations taken at the following stations for the years 1866–1877.

Districts.		Stations.
0. SCOTLAND, N.		Sandwick Manse.
		Stornoway.
		Dunrobin.
1. SCOTLAND, E.		Culloden.
		Aberdeen.
		Perth.
		Leith.
2. ENGLAND, N.E.		Bywell.
		North Shields.
		Hull.
3. ENGLAND, E.		Royston.
		Holkham.
		Norwich.
		Wisbeach.
		Somerleyton.
4. MIDLAND COUNTIES		Derby.
		Nottingham.
		Cardington.
		Oxford.
5. ENGLAND, S.		Marlborough.
		Greenwich.
		Streatley.
		London (Camden Town).
		Weybridge.
		Strathfield Turgiss.
		Osborne.
		Bournemouth.
		Worthing.
6. SCOTLAND, W.		Greenock.
		Cockermouth.
		Silloth.
		Carlisle.
7. ENGLAND, N.W., and N. WALES		Stonyhurst.
		Bradford.
		Leeds.
		Eccles.
		Liverpool.
		Llandudno.
8. ENGLAND, S.W., and S. WALES		Gloucester.
		Taunton.
		Barnstaple
		Truro.
		Helston
9. IRELAND, N.	1866 to 1873.	Belfast.
		Milltown (Banbridge).
		Armagh.†
		Athlone.*
	1874 to 1877.	Moville.
		Milltown.
		Armagh.
		Donaghadee.
10. IRELAND, S.	1866 to 1873.	Dublin.*
		Curragh Camp.
		Buttevant.*
		Cork.
		Valencia.†
	1874 to 1877.	Kingstown.
		Parsonstown.
		Cork.
		Roche's Point.
		Valencia.

The values for these Stations were obtained mainly from the returns of the Registrar General, the Journals of the Scottish Meteorological Society, the reports of the Army Medical Department, and the records of the two Irish observatories, Valencia and Armagh. The returns for Cork were furnished by R. Caulfield, Esq., LL.D.

* Did not commence till January 1867.

† Did not commence till January 1869.

By Order,

W. N. SHAW, Director.

WEEKLY WEATHER REPORT, 1905.

SUPPLIED FOR THE PUBLIC SERVICE

Twenty-eighth Year. VOL. XXII. [*New Series.*] } APPENDIX II.] { RAIN-DAYS, RAINFALL, ACCUMULATED TEMPERATURE AND SUNSHINE. [Price 1*s.*

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAIN-DAYS IN EACH DISTRICT DURING THE YEAR 1905.

1905.		0. SCOTLAND, N.		Principal Wheat-producing Districts.												Principal Grazing Districts.												CHANNEL ISLANDS.		MEANS FOR DISTRICTS 1-10 COMBINED.	
				1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING DISTRICTS.					
No. of Week.	Limiting Dates of each Week.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.
		NUMBERS OF RAIN-DAYS—1905.																													
	1905.																														
1	Jan. 1-7 -	7	7	4	4	3	3	4	4	4	4	4	4	4	4	7	7	6	6	3	3	5	5	4	4	5	5	4	4	5	5
2	8-14 -	5	12	4	8	2	5	3	7	4	8	3	7	3	7	4	11	4	10	4	7	6	11	5	9	5	10	4	8	4	9
3	15-21 -	3	15	1	9	2	7	2	9	2	10	1	8	1	8	3	14	2	12	3	10	4	15	4	13	3	13	4	12	2	11
4	22-28 -	6	21	3	12	2	9	1	10	1	11	1	9	2	10	3	17	2	14	1	11	3	18	3	16	2	15	2	14	2	13
5	Jan. 29-Feb. 4	7	28	5	17	1	10	2	12	3	14	2	11	2	12	6	23	5	19	5	16	7	25	5	21	6	21	5	19	4	17
6	Feb. 5-11 -	7	35	3	20	1	11	3	15	3	17	3	14	3	15	5	28	4	23	3	19	5	30	4	25	4	25	3	22	4	21
7	12-18 -	7	42	5	25	3	14	5	20	3	20	4	18	4	19	6	34	5	28	4	23	6	36	5	30	5	30	5	27	4	25
8	19-25 -	4	46	3	28	4	18	3	23	3	23	4	22	3	22	2	36	3	31	3	26	4	40	3	33	3	33	5	32	3	28
9	Feb. 26-Mar. 4	6	52	5	33	6	24	5	28	5	28	5	27	5	27	5	41	5	36	5	31	6	46	5	38	5	38	5	37	5	33
10	Mar. 5-11 -	7	59	7	40	5	29	7	35	6	34	7	34	6	33	7	48	7	43	7	38	7	53	7	45	7	45	7	44	6	39
11	12-18 -	7	66	7	47	5	34	6	41	6	40	7	41	6	39	6	54	6	49	6	44	6	59	6	51	6	51	7	51	6	45
12	19-25 -	5	71	4	51	1	35	2	43	2	42	3	44	3	42	3	57	2	51	3	47	5	64	6	57	4	55	4	55	4	49
13	Mar. 26-April 1	7	78	5	56	4	39	4	47	4	46	4	48	4	46	7	64	5	56	4	51	6	70	6	63	6	61	4	59	5	54
14	April 2-8 -	7	85	4	60	4	43	5	52	5	51	4	52	4	50	5	69	6	62	5	56	6	76	6	69	5	66	4	63	4	58
15	9-15 -	5	90	5	65	4	47	4	56	5	56	5	57	5	55	4	73	4	66	6	62	4	80	6	75	5	71	6	69	5	63
16	16-22 -	4	94	5	70	6	53	5	61	4	60	3	60	4	59	3	76	3	69	2	64	2	82	3	78	3	74	4	73	4	67
17	23-29 -	5	99	5	75	5	58	4	65	5	65	5	65	5	64	5	81	5	74	6	70	6	88	6	84	5	79	5	78	5	72
18	April 30-May 6	5	104	4	79	4	62	3	68	4	69	3	68	4	68	4	85	4	78	3	73	5	93	5	89	4	83	5	83	4	76
19	May 7-13 -	6	110	3	82	1	63	1	69	1	70	0	68	1	69	2	87	1	79	1	74	2	95	1	90	1	84	0	83	1	77
20	14-20 -	1	111	1	83	2	65	2	71	1	71	2	70	2	71	0	87	0	79	1	75	0	95	0	90	0	84	0	83	1	78
21	21-27 -	5	116	5	88	2	67	1	72	0	71	0	70	1	72	4	91	1	80	0	75	4	99	3	93	3	87	0	83	2	80
22	May 28-June 3	6	122	5	93	3	70	3	75		75	3	73	4	76	5	96	3	83	4	79	6	105	4	97	4	91	4	87	4	84
23	June 4-10 -	2	124	1	94	1	71	6	81	3	78	6	79	3	79	1	97	1	84	3	82	1	106	1	98	2	93	4	91	3	87
24	11-17 -	1	125	1	95	2	73	3	84	4	82	4	83	3	82	1	98	3	87	5	87	3	109	3	101	3	96	5	96	3	90
25	18-24 -	4	129	3	98	2	75	1	85	3	85	1	84	2	84	3	101	3	90	4	91	3	112	3	104	3	99	3	99	2	92
26	June 25-July 1	2	131	3	101	4	79	5	90	3	88	4	88	4	88	1	102	3	93	4	95	2	114	3	107	2	101	3	102	3	95
27	July 2-8 -	5	136	2	103	1	80	1	91	1	89	2	90	1	89	3	105	2	95	2	97	3	117	1	108	2	103	3	105	2	97
28	9-15 -	5	141	4	107	2	82	1	92	2	91	1	91	2	91	4	109	4	99	3	100	4	121	4	112	4	107	3	108	3	100
29	16-22 -	6	147	4	111	2	84	2	94	2	93	2	93	3	94	4	113	3	102	2	102	5	126	4	116	4	111	2	110	3	103
30	23-29 -	6	153	5	116	3	87	2	96	3	96	2	95	3	97	5	118	5	107	3	105	5	131	5	121	4	115	3	113	4	107
31	July 30-Aug. 5	6	159	6	122	4	91	3	99	5	101	4	99	4	101	5	123	5	112	5	110	6	137	5	126	5	120	4	117	4	111
32	Aug. 6-12 -	7	166	5	127	3	94	2	101	4	105	3	102	4	105	4	127	4	116	4	114	5	142	4	130	4	124	4	121	4	115
33	13-19 -	5	171	4	131	3	97	2	103	3	108	3	105	3	108	3	130	3	119	4	118	4	146	3	133	4	128	4	125	4	119
34	20-26 -	5	176	4	135	5	102	4	107	5	113	4	109	4	112	4	134	5	124	5	123	6	152	7	140	5	133	7	132	4	123
35	Aug. 27-Sept. 2	6	182	6	141	5	107	5	112	4	117	4	113	5	117	4	138	5	129	4	127	5	157	5	145	4	137	6	138	5	128
36	Sept. 3-9 -	7	189	6	147	4	111	4	116	5	122	5	118	5	122	6	144	6	135	6	133	6	163	6	151	6	143	7	145	5	133
37	10-16 -	6	195	3	150	2	113	1	117	1	123	2	120	2	124	5	149	3	138	3	136	5	168	3	154	4	147	3	148	3	136
38	17-23 -	3	198	1	151	0	113	0	117	1	124	1	121	0	124	1	150	1	139	1	137	3	171	3	157	2	149	2	150	1	137
39	24-30 -	5	203	6	157	6	119	5	122	4	128	4	125	5	129	3	153	4	143	2	139	2	173	3	160	3	152	5	155	4	141
40	Oct. 1-7 -	6	209	6	163	5	124	4	126	5	133	3	128	5	134	5	158	5	148	6	145	6	179	4	164	5	157	5	160	5	146
41	8-14 -	6	215	3	166	3	127	4	130	2	135	2	130	3	137	4	162	2	150	2	147	5	184	3	167	3	160	3	163	3	149
42	15-21 -	6	221	4	170	5	132	5	135	3	138	3	133	4	141	2	164	3	153	1	148	3	187	1	168	2	162	5	168	3	152
43	22-28 -	7	228	6	176	6	138	4	139	3	141	3	136	4	145	3	167	3	156	2	150	4	191	3	171	3	165	3	171	4	156
44	Oct. 29-Nov. 4	6	234	7	183	6	144	6	145	6	147	7	143	6	151	5	172	6	162	7	157	7	198	6	177	6	171	7	178	6	162
45	Nov. 5-11 -	6	240	6	189	5	149	4	149	5	152	5	148	5	156	5	177	6	168	5	162	6	204	5	182	6	177	6	184	5	167
46	12-18 -	5	245	5	194	5	154	5	154	4	156	4	152	5	161	2	179	3	171	3	165	3	207	4	186	3	180	6	190	4	171
47	19-25 -	5	250	4	198	4	158	3	157	3	159	4	156	4	165	4	183	5	176	4	169	6	213	6	192	5	185	4	194	5	176
48	Nov. 26-Dec. 2	5	255	5	203	4	162	4	161	5	164	4	160	4	169	5	188	5	181	6	175	5	218	5	197	5	190	6	200	5	181
49	Dec. 3-9 -	7	262	5	208	3	165	5	166	4	168	5	165	5	174	6	194	4	185	4	179	6	224	5	202	5	195	5	205	5	186
50	10-16 -	6	268	2	210	0	165	0	166	1	169	0	165	1	175	4	198	0	185	0	179	3	227	2	204	2	197	0	205	2	188
51	17-23 -	5	273	4	214	1	166	1	167	2	171	2	167	2	177	5	203	4	189	3	182	6	233	5	209	4	201	4	209	3	191
52	Dec. 24-30 -	2	275	4	218	3	169	3	170	3	174	3	170	3	180	3	206	3	192	3	185	5	238	4	213	4	205	4	213	3	194

375 Wt 82 2/1906 D & S 23 23588

TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF RAINFALL IN EACH DISTRICT DURING THE YEAR 1905.

1905.		0. Scotland, N.		Principal Wheat-producing Districts.										Principal Grazing Districts.										Channel Islands.		Means for Districts 1–10 combined.	
				1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Grazing Districts.					
Week.	Limiting Dates of each Week.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.
		RAINFALL IN INCHES—1905.																											
	1905.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.
1	Jan. 1-7	2·03	2·03	0·24	0·24	0·13	0·13	0·24	0·24	0·20	0·20	0·29	0·29	0·22	0·22	1·29	1·29	0·69	0·69	0·45	0·45	0·66	0·66	0·33	0·33	0·68	0·68	0·47	0·47	0·45	0·45
2	8-14	2·01	4·04	0·45	0·69	0·13	0·26	0·20	0·44	0·38	0·58	0·15	0·44	0·26	0·48	1·02	2·31	0·59	1·28	0·41	0·86	0·92	1·58	1·19	1·52	0·83	1·51	0·24	0·71	0·55	1·00
3	15-21	0·25	4·29	0·11	0·80	0·11	0·37	0·42	0·86	0·22	0·80	0·66	1·10	0·30	0·78	0·62	2·93	0·30	1·58	0·69	1·55	0·83	2·41	1·11	2·63	0·71	2·22	0·78	1·49	0·50	1·50
4	22-28	0·85	5·14	0·11	0·91	0·11	0·48	0·04	0·90	0·05	0·85	0·03	1·13	0·07	0·85	0·39	3·32	0·19	1·77	0·04	1·59	0·27	2·68	0·32	2·95	0·24	2·46	0·03	1·52	0·16	1·66
5	Jan. 29-Feb. 4	2·66	7·80	0·50	1·41	0·06	0·54	0·03	0·93	0·09	0·94	0·05	1·18	0·15	1·00	0·85	4·17	0·28	2·05	0·28	1·87	0·51	3·19	0·20	3·15	0·43	2·89	0·19	1·71	0·29	1·95
6	Feb. 5-11	1·29	9·09	0·12	1·53	0·06	0·60	0·18	1·11	0·12	1·06	0·06	1·24	0·11	1·11	0·60	4·77	0·32	2·37	0·12	1·99	0·39	3·58	0·23	3·38	0·33	3·22	0·06	1·77	0·22	2·17
7	12-18	1·90	10·99	0·50	2·03	0·24	0·84	0·26	1·37	0·11	1·17	0·11	1·35	0·24	1·35	1·04	5·81	0·38	2·75	0·22	2·21	0·56	4·14	0·21	3·59	0·48	3·70	0·38	2·15	0·36	2·53
8	19-25	0·55	11·54	0·29	2·32	0·29	1·13	0·24	1·61	0·22	1·39	0·22	1·57	0·25	1·60	0·91	6·72	0·34	3·09	0·41	2·62	0·65	4·79	0·83	4·42	0·63	4·33	0·61	2·76	0·44	2·97
9	Feb. 26-Mar. 4	0·88	12·42	0·64	2·96	0·33	1·46	0·32	1·93	0·40	1·79	0·42	1·99	0·42	2·02	1·37	8·09	0·72	3·81	0·81	3·43	1·15	5·94	0·65	5·07	0·94	5·27	0·96	3·72	0·68	3·65
10	Mar. 5-11	1·85	14·27	1·03	3·99	0·38	1·84	0·58	2·51	1·01	2·80	1·71	3·70	0·94	2·96	1·66	9·75	1·18	4·99	2·29	5·72	1·08	7·02	1·32	6·39	1·50	6·77	1·58	5·30	1·22	4·87
11	12-18	1·05	15·32	0·99	4·98	0·51	2·35	0·98	3·49	1·06	3·86	1·96	5·66	1·10	4·06	1·34	11·09	1·12	6·11	1·84	7·56	1·06	8·08	1·47	7·86	1·37	8·14	1·45	6·75	1·23	6·10
12	19-25	0·75	16·07	1·04	6·02	0·33	2·68	0·12	3·61	0·29	4·15	0·30	5·96	0·42	4·48	0·88	11·97	0·46	6·57	0·52	8·08	1·28	9·36	1·89	9·75	1·01	9·15	0·54	7·29	0·72	6·82
13	Mar. 26-April 1	1·21	17·28	0·50	6·52	0·29	2·97	0·19	3·80	0·49	4·64	0·18	6·14	0·33	4·81	1·32	13·29	0·84	7·41	0·62	8·70	0·60	9·96	0·51	10·26	0·78	9·93	0·67	7·96	0·56	7·38
14	April 2-8	0·89	18·17	0·29	6·81	0·35	3·32	0·50	4·30	0·52	5·16	0·29	6·43	0·39	5·20	0·84	14·13	0·96	8·37	0·41	9·11	0·62	10·58	0·51	10·77	0·67	10·60	0·07	8·03	0·53	7·91
15	9-15	0·55	18·72	0·63	7·44	0·43	3·75	0·79	5·09	0·64	5·80	0·80	7·23	0·66	5·86	0·56	14·69	0·22	8·59	1·25	10·36	0·33	10·91	0·95	11·72	0·66	11·26	1·19	9·22	0·66	8·57
16	16-22	0·42	19·14	0·36	7·80	0·53	4·28	0·31	5·40	0·26	6·06	0·14	7·37	0·32	6·18	0·18	14·87	0·10	8·69	0·15	10·51	0·10	11·01	0·20	11·92	0·15	11·41	0·20	9·42	0·24	8·81
17	23-29	0·59	19·73	0·67	8·47	0·51	4·79	0·22	5·62	0·40	6·46	0·33	7·70	0·42	6·60	0·95	15·82	0·92	9·61	0·91	11·42	0·95	11·96	1·15	13·07	0·97	12·38	0·37	9·79	0·69	9·50
18	April 30-May 6	0·43	20·16	0·39	8·86	0·58	5·37	0·61	6·23	0·62	7·08	0·60	8·30	0·56	7·16	0·64	16·46	0·70	10·31	0·62	12·04	0·38	12·34	0·70	13·77	0·61	12·99	0·82	10·61	0·59	10·09
19	May 7-13	0·74	20·90	0·08	8·94	0·04	5·41	0·07	6·30	0·07	7·15	0·05	8·35	0·06	7·22	0·31	16·77	0·08	10·39	0·04	12·08	0·11	12·45	0·08	13·85	0·12	13·11	0·00	10·61	0·09	10·18
20	14-20	0·01	20·91	0·02	8·96	0·05	5·46	0·05	6·35	0·03	7·18	0·14	8·49	0·06	7·28	0·00	16·77	0·00	10·39	0·03	12·11	0·00	12·45	0·00	13·85	0·00	13·11	0·00	10·61	0·03	10·21
21	21-27	0·78	21·69	0·77	9·73	0·06	5·52	0·03	6·38	0·09	7·18	0·00	8·49	0·17	7·45	0·67	17·44	0·04	10·43	0·01	12·12	0·57	13·02	0·49	14·34	0·36	13·47	0·00	10·61	0·26	10·47
22	May 28-June 3	0·89	22·58	0·38	10·11	0·18	5·70	0·38	6·76	0·34	7·52	0·20	8·69	0·30	7·75	1·34	18·78	0·39	10·82	0·25	12·37	0·76	13·78	0·41	14·75	0·63	14·10	0·14	10·75	0·47	10·94
23	June 4-10	0·08	22·66	0·16	10·27	0·09	5·79	1·98	8·74	0·36	7·88	2·37	11·06	0·99	8·74	0·06	18·84	0·03	10·85	0·51	12·88	0·05	13·83	0·03	14·78	0·14	14·24	0·88	11·63	0·56	11·50
24	11-17	0·01	22·72	0·01	10·28	0·56	6·35	0·83	9·57	1·09	8·97	0·82	11·88	0·66	9·40	0·63	19·47	1·06	11·91	0·78	13·66	0·50	14·33	0·40	15·18	0·68	14·92	1·00	12·63	0·67	12·17
25	18-24	0·62	23·34	0·50	10·78	0·32	6·67	0·02	9·59	0·21	9·18	0·02	11·90	0·21	9·61	0·89	20·36	0·93	12·84	0·76	14·42	1·15	15·48	0·89	16·07	0·92	15·84	0·18	12·81	0·57	12·74
26	June 25-July 1	0·19	23·53	0·34	11·12	0·46	7·13	0·70	10·29	1·09	10·27	0·90	12·80	0·70	10·31	0·02	20·38	0·47	13·31	1·16	15·58	0·21	15·69	0·55	16·62	0·48	16·32	0·62	13·43	0·59	13·33
27	July 2-8	0·47	24·00	0·37	11·49	0·15	7·28	0·02	10·31	0·01	10·28	0·16	12·96	0·14	10·45	0·35	20·73	0·12	13·43	0·10	15·68	0·20	15·89	0·07	16·69	0·17	16·49	0·20	13·63	0·16	13·49
28	9-15	0·59	24·59	0·60	12·09	0·21	7·49	0·22	10·53	0·39	10·67	0·11	13·07	0·31	10·76	0·82	21·55	0·58	14·01	0·41	16·09	0·42	16·31	0·49	17·18	0·54	17·03	0·27	13·90	0·42	13·91
29	16-22	0·89	25·48	0·56	12·65	0·36	7·85	0·18	10·71	0·13	10·80	0·16	13·23	0·28	11·04	0·93	22·48	0·56	14·57	0·15	16·24	0·78	17·09	0·22	17·40	0·53	17·56	0·03	13·93	0·41	14·32
30	23-29	1·02	26·50	0·49	13·14	0·30	8·15	0·19	10·90	0·47	11·27	0·15	13·38	0·32	11·36	0·89	23·37	0·68	15·25	0·23	16·47	0·43	17·52	0·81	18·21	0·61	18·17	0·04	13·97	0·46	14·78
31	July 30-Aug. 5	1·32	27·82	1·08	14·22	0·57	8·72	0·47	11·37	1·00	12·27	0·80	14·18	0·78	12·14	1·39	24·76	0·94	16·19	1·16	17·63	1·10	18·62	1·22	19·43	1·16	19·33	0·76	14·73	0·97	15·75
32	Aug. 6-12	1·41	29·23	0·47	14·69	0·47	9·19	0·13	11·50	0·40	12·67	0·30	14·48	0·35	12·49	0·68	25·44	0·39	16·58	0·57	18·20	0·89	19·51	0·72	20·15	0·65	19·98	0·39	15·12	0·50	16·25
33	13-19	1·20	30·43	0·67	15·36	0·51	9·70	0·17	11·67	0·54	13·21	0·24	14·72	0·43	12·92	1·45	26·89	0·65	17·23	0·55	18·75	0·63	20·14	0·41	20·56	0·74	20·72	0·13	15·25	0·58	16·83
34	20-26	0·31	30·74	0·74	16·10	0·89	10·59	0·42	12·08	0·94	14·15	0·56	15·28	0·71	13·63	1·31	28·20	1·39	18·62	1·43	20·18	1·85	21·99	2·42	22·98	1·68	22·40	1·10	16·35	1·20	18·03
35	Aug. 27-Sept. 2	1·24	31·98	0·73	16·83	0·68	11·27	1·31	13·39	0·98	15·13	1·12	16·40	0·96	14·59	1·28	29·48	1·02	19·64	1·04	21·22	0·85	22·84	0·91	23·89	1·02	23·42	1·11	17·46	0·99	19·02
36	Sept. 3-9	2·00	33·98	0·73	17·56	0·75	12·02	0·44	13·83	0·74	15·87	1·08	17·48	0·75	15·34	2·10	31·58	1·48	21·12	1·56	22·78	1·26	24·10	1·10	24·99	1·50	24·92	0·93	18·39	1·12	20·14
37	10-16	1·00	34·98	0·22	17·78	0·10	12·12	0·05	13·88	0·05	15·92	0·25	17·73	0·13	15·47	0·72	32·30	0·29	21·41	0·16	22·94	0·42	24·52	0·21	25·20	0·36	25·28	0·30	18·69	0·25	20·39
38	17-23	0·21	35·19	0·02	17·80	0·03	12·15	0·00	13·88	0·02	15·94	0·08	17·81	0·03	15·50	0·09	32·39	0·02	21·43	0·04	22·98	0·16	24·68	0·33	25·53	0·13	25·41	0·16	18·85	0·08	20·47
39	24-30	0·44	35·63	0·86	18·66	0·75	12·90	1·26	15·14	0·46	16·40	0·61	18·42	0·79	16·29	0·20	32·59	0·21	21·64	0·09	23·07	0·13	24·81	0·22	25·75	0·17	25·58	1·04	19·89	0·48	20·95
40	Oct. 1-7	1·62	37·25	0·78	19·44	0·48	13·38	0·64	15·78	0·52	16·92	0·20	18·62	0·53	16·82	1·50	34·09	1·28	22·92	0·62	23·69	1·00	25·81	0·31	26·06	0·94	26·52	0·35	20·24	0·73	21·68
41	8-14	0·93	38·18	0·51	19·95	0·50	13·88	0·29	16·07	0·11	17·03	0·06	18·68	0·29	17·11	0·71	34·80	0·49	23·41	0·05	23·74	0·32	26·13	0·10	26·16	0·34	26·86	0·06	20·30	0·32	22·00
42	15-21	0·60	38·78	0·37	20·32	0·72	14·60	0·39	16·46	0·26	17·29	0·23	18·91	0·39	17·50	0·12	34·92	0·42	23·83	0·09	23·83	0·17	26·30	0·16	26·32	0·19	27·05	0·47	20·77	0·29	22·29
43	22-28	1·23	40·01	0·69	21·01	0·71	15·31	0·41	16·87	0·16	17·45	0·27	19·18	0·45	17·95	1·29	36·21	0·43	24·26	0·40	24·23	0·68	26·98	0·46	26·78	0·65	27·70	0·15	20·92	0·55	22·84
44	Oct. 29-Nov. 4	1·01	41·02	2·10	23·11	0·97	16·28	0·82	17·69	1·30	18·75	2·26	21·44	1·49	19·44	1·01	37·22	1·23	25·49	2·07	26·30	1·19	28·17	0·87	27·65	1·27	28·97	2·26	23·18	1·38	24·22
45	Nov. 5-11	1·22	42·24	1·40	24·55	0·99	17·27	0·48	18·17	0·85	19·60	1·23	22·67	0·99	20·43	1·04	38·26	1·29	26·78	1·27	27·57	1·08	29·25	0·54	28·19	1·04	30·01	1·27	24·45	1·01	25·23
46	12-18	0·46	42·70	0·97	25·52	1·08	18·35	0·53	18·70	0·33	19·93	0·73	23·40	0·73	21·16	0·10	38·36	0·13	26·91	0·74	28·31	0·22	29·47	0·86	29·05	0·41	30·42	1·63	26·08	0·57	25·80
47	19-25	1·72	44·42	0·44	25·96	0·10	18·45	0·20	18·90	0·27	20·20	0·50	23·90	0·30	21·46	1·66	40·02	0·77	27·68	0·82	29·13	1·24	30·71	1·19	30·24	1·14	31·56	0·83	26·91	0·72	26·52
48	Nov. 26-Dec. 2	1·61	46·03	1·05	27·01	0·93	19·38	0·51	19·44	0·83	21·03	0·73	24·63	0·82	22·28	1·75	41·77	1·39	29·07	0·98	30·11	1·31	32·02	1·06	31·30	1·30	32·86	0·68	27·59	1·06	27·58
49	Dec. 3-9	2·16	48·19	0·81	27·82	0·12	19·50	0·44	19·88	0·26	21·29	0·46	25·09	0·42	22·70	1·33	43·10	0·39	29·46	1·01	31·12	0·90	32·92	0·50	31·80	0·83	33·69	0·49	28·08	0·62	28·20
50	10-16	0·82	49·01	0·13	27·95	0·01	19·51	0·03	19·91	0·02	21·31	0·02	25·11	0·04	22·74	0·33	43·43	0·01	29·47	0·02	31·14	0·16	33·08	0·02	31·82	0·11	33·80	0·09	28·08	0·08	28·28
51	17-23	0·99	50·00	0·24	28·19	0·01	19·52	0·03	19·94	0·08	21·39	0·06	25·17	0·08	22·82	0·95	44·38	0·31	29·78	0·21	31·35	0·89	33·97	0·76	32·58	0·62	34·42	0·22	28·30	0·35	28·63
52	Dec. 24-30	0·12	50·12	0·41	28·60	0·29	19·81	0·35	20·29	0·31	21·70	0·20	25·37	0·31	23·13	0·70	45·08	0·25	30·03	0·34	31·69	0·92	34·89	0·99	33·57	0·64	35·06	0·66	28·96	0·47	29·10

TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT ABOVE 42° F. IN EACH DISTRICT DURING THE YEAR 1905.

1905.		0. Scotland, N.		Principal Wheat-producing Districts.										Principal Grazing Districts.												Channel Islands.		Means for Districts 1-10 combined.	
				1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Grazing Districts.					
	Weeks.																												
No. of Week.	Limiting Dates of each Week.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.
	DAY-DEGREES ABOVE 42° FAHRENHEIT—1905.																												
	1905.																												
1	Jan. 1-7 -	13	13	27	27	15	15	8	8	15	15	11	11	15	15	22	22	21	21	25	25	33	33	41	41	28	28	29	29	21	21
2	8-14 -	7	20	5	32	8	23	10	18	8	23	12	23	9	24	9	31	18	39	12	37	12	45	25	66	15	43	28	57	12	33
3	15-21 -	4	24	0	32	0	23	0	18	0	23	0	23	0	24	0	31	0	39	1	38	3	48	18	84	5	48	21	78	3	36
4	22-28 -	6	30	4	36	1	24	0	18	0	23	2	25	1	25	6	37	2	41	4	42	10	58	15	99	7	55	24	102	4	40
5	Jan. 29-Feb. 4	6	36	12	48	21	45	24	42	24	47	25	50	21	46	18	55	19	60	23	65	21	79	28	127	22	77	34	136	22	62
6	Feb. 5-11 -	6	42	13	61	13	58	13	55	22	69	22	72	17	63	21	76	20	80	25	90	25	104	30	157	24	101	35	171	20	82
7	12-18 -	11	53	18	79	27	85	23	78	31	100	27	99	25	88	25	101	25	105	31	121	30	134	35	192	29	130	39	210	27	109
8	19-25 -	0	53	0	79	0	85	1	79	0	100	1	100	0	88	0	101	0	105	1	122	2	136	8	200	2	132	8	218	1	110
9	Feb. 26-Mar. 4	1	54	5	84	7	92	5	84	10	110	8	108	7	95	10	111	8	113	11	133	12	148	15	215	11	143	22	240	9	119
10	Mar. 5-11 -	4	58	8	92	18	110	27	111	28	138	25	133	21	116	13	124	22	135	29	162	17	165	31	246	22	165	29	269	22	141
11	12-18 -	12	70	17	109	35	145	33	144	33	171	32	165	30	146	23	147	29	164	31	193	16	181	30	276	26	191	41	310	28	169
12	19-25 -	26	96	31	140	34	179	41	185	47	218	42	207	39	185	31	178	40	204	40	233	31	212	36	312	36	227	50	360	37	206
13	Mar. 26-April 1	24	120	30	170	38	217	43	228	43	261	39	246	39	224	26	204	31	235	38	271	33	245	39	351	33	260	51	411	36	242
14	April 2-8 -	5	125	14	184	19	236	21	249	29	290	31	277	23	247	16	220	16	251	30	301	25	270	38	389	25	285	50	461	24	266
15	9-15 -	15	140	18	202	29	265	38	287	41	331	46	323	34	281	31	251	38	289	43	344	34	304	33	422	36	321	62	523	35	301
16	16-22 -	13	153	12	214	11	276	23	310	18	349	26	349	18	299	17	268	17	306	28	372	27	331	29	451	23	344	32	555	21	322
17	23-29 -	15	168	30	244	39	315	44	354	38	387	41	390	38	337	33	301	32	338	41	413	34	365	43	494	37	381	49	604	37	359
18	April 30-May 6	26	194	39	283	41	356	46	400	45	432	51	441	44	381	44	345	39	377	44	457	37	402	45	539	42	423	56	660	43	402
19	May 7-13 -	36	230	53	336	55	411	62	462	61	493	66	507	59	440	50	395	50	427	56	513	49	451	64	603	54	477	70	730	57	459
20	14-20 -	58	288	62	398	49	460	63	525	71	564	78	585	65	505	81	476	74	501	89	602	79	530	93	696	83	560	84	814	74	533
21	21-27 -	32	320	42	440	50	510	54	579	56	620	57	642	52	557	48	524	50	551	54	656	60	590	77	773	58	618	72	886	55	588
22	May 28-June 3	75	395	90	530	117	627	123	702	113	733	120	762	112	669	85	609	100	651	102	758	85	675	99	872	94	712	110	996	103	691
23	June 4-10 -	51	446	56	586	70	697	85	787	75	808	83	845	74	743	67	676	70	721	78	836	71	746	83	955	74	786	81	1077	74	765
24	11-17 -	81	527	68	654	94	791	115	902	114	922	118	963	102	845	105	781	108	829	111	947	106	852	116	1071	109	895	111	1188	106	871
25	18-24 -	104	631	115	769	116	907	127	1029	126	1048	125	1088	122	967	118	899	122	951	123	1070	125	977	137	1208	125	1020	125	1313	123	994
26	June 25-July 1	112	743	121	890	118	1025	144	1173	140	1188	141	1229	133	1100	139	1038	137	1088	139	1209	129	1106	141	1349	137	1157	141	1454	135	1129
27	July 2-8 -	97	840	113	1003	130	1155	143	1316	127	1315	139	1368	130	1230	106	1144	118	1206	125	1334	109	1215	121	1470	116	1273	132	1586	123	1252
28	9-15 -	112	952	132	1135	170	1325	181	1497	170	1485	165	1533	161	1394	141	1285	158	1364	153	1487	133	1348	151	1621	147	1420	152	1738	155	1407
29	16-22 -	94	1046	123	1258	141	1466	152	1649	145	1630	149	1682	142	1536	126	1411	132	1496	138	1625	122	1470	146	1767	133	1553	148	1886	138	1545
30	23-29 -	86	1132	103	1361	134	1600	168	1815	146	1776	162	1844	142	1678	109	1520	123	1619	150	1775	108	1578	133	1900	124	1677	160	2046	133	1678
31	July 30-Aug. 5	85	1217	97	1458	124	1724	142	1957	120	1896	137	1981	124	1802	101	1621	116	1735	121	1896	102	1680	116	2016	111	1788	144	2190	118	1796
32	Aug. 6-12 -	81	1298	90	1548	109	1833	129	2086	111	2007	126	2107	113	1915	95	1716	104	1839	115	2011	95	1775	106	2122	103	1891	133	2323	108	1904
33	13-19 -	92	1390	100	1648	120	1953	132	2218	121	2128	135	2242	122	2037	109	1825	118	1957	125	2136	106	1881	114	2236	115	2006	148	2471	118	2022
34	20-26 -	78	1468	84	1732	110	2063	127	2345	110	2238	122	2364	110	2147	87	1912	105	2062	104	2240	86	1967	100	2336	96	2102	126	2597	103	2125
35	Aug. 27-Sept. 2	83	1551	90	1822	104	2167	109	2454	98	2336	108	2472	102	2249	92	2004	99	2161	102	2342	98	2065	105	2441	99	2201	116	2713	100	2225
36	Sept. 3-9 -	81	1632	95	1917	117	2284	139	2593	118	2454	132	2604	120	2369	97	2101	111	2272	120	2462	95	2160	111	2552	107	2308	130	2843	113	2338
37	10-16 -	59	1691	65	1982	76	2360	86	2679	71	2525	86	2690	77	2446	62	2163	76	2348	78	2540	67	2227	71	2623	71	2379	102	2945	74	2412
38	17-23 -	68	1759	64	2046	76	2436	85	2764	72	2597	81	2771	76	2522	66	2229	71	2419	76	2616	73	2300	81	2704	73	2452	105	3050	75	2487
39	24-30 -	43	1802	49	2095	69	2505	85	2849	60	2657	78	2849	68	2590	62	2291	60	2479	69	2685	62	2362	69	2773	65	2517	95	3145	67	2554
40	Oct. 1-7 -	29	1831	33	2128	39	2544	41	2890	43	2700	48	2897	41	2631	42	2333	49	2528	60	2745	53	2415	62	2835	53	2570	82	3227	47	2601
41	8-14 -	40	1871	50	2178	50	2594	48	2938	51	2751	56	2953	51	2682	55	2388	55	2583	64	2809	58	2473	61	2896	59	2629	78	3305	55	2656
42	15-21 -	9	1880	11	2189	17	2611	20	2958	17	2768	22	2975	17	2699	17	2405	16	2599	23	2832	18	2491	26	2922	20	2649	40	3345	18	2674
43	22-28 -	24	1904	25	2214	26	2637	18	2976	19	2787	22	2997	22	2721	34	2439	29	2628	25	2857	32	2523	39	2961	32	2681	39	3384	27	2701
44	Oct. 29-Nov. 4	23	1927	22	2236	32	2669	37	3013	32	2819	44	3041	33	2754	30	2469	28	2656	38	2895	26	2549	33	2994	31	2712	62	3446	32	2733
45	Nov. 5-11 -	19	1946	13	2249	24	2693	28	3041	27	2846	34	3075	25	2779	22	2491	23	2682	36	2931	27	2576	34	3028	29	2741	50	3496	27	2760
46	12-18 -	1	1947	0	2249	4	2697	4	3045	1	2847	3	3078	3	2782	1	2492	2	2684	6	2937	7	2583	6	3034	5	2746	22	3518	4	2764
47	19-25 -	10	1957	8	2257	7	2704	9	3054	8	2855	12	3090	9	2791	12	2504	10	2694	14	2951	13	2596	18	3052	13	2759	29	3547	11	2775
48	Nov. 26-Dec. 2	9	1966	8	2265	10	2714	19	3073	11	2866	22	3112	14	2805	16	2520	22	2716	26	2977	23	2619	33	3085	24	2783	40	3587	19	2794
49	Dec. 3-9 -	22	1988	24	2289	24	2738	13	3086	25	2891	25	3137	22	2827	29	2549	28	2744	30	3007	28	2647	39	3124	31	2814	41	3628	26	2820
50	10-16 -	21	2009	24	2313	11	2749	3	3089	7	2898	2	3139	10	2837	20	2569	18	2762	9	3016	20	2667	23	3147	18	2832	26	3654	14	2834
51	17-23 -	21	2030	22	2335	18	2767	11	3100	11	2909	17	3156	16	2853	19	2588	18	2780	20	3036	26	2693	36	3183	24	2856	26	3680	20	2854
52	Dec. 24-30 -	0	2030	0	2335	2	2769	1	3101	0	2909	8	3164	2	2855	6	2594	5	2785	16	3052	18	2711	32	3215	15	2871	28	3708	9	2863

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT BELOW 42° F. IN EACH DISTRICT DURING THE YEAR 1905.

1905.		0. Scot-land, N.		Principal Wheat-producing Districts.										Principal Grazing Districts.												Channel Islands.		Means for Districts 1-10 combined.	
				1. Scot-land, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scot-land, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Grazing Districts.					
Weeks.																													
No. of Week.	Limiting Dates of each Week.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.
Day-Degrees below 42° Fahrenheit—1905.																													
	1905.																												
1	Jan. 1-7 -	14	14	13	13	16	16	30	30	16	16	26	26	20	20	2	2	5	5	4	4	0	0	0	0	2	2	3	3	11	11
2	8-14 -	36	50	36	49	27	43	30	60	30	46	25	51	29	49	23	25	11	16	14	18	22	22	9	9	16	18	0	3	22	33
3	15-21 -	28	78	47	96	57	100	56	116	77	123	46	97	57	106	35	60	55	71	38	56	22	44	11	20	32	50	10	13	45	78
4	22-28 -	29	107	35	131	34	134	39	155	42	165	39	136	38	144	27	87	33	104	43	99	22	66	27	47	31	81	12	25	35	113
5	Jan. 29-Feb. 4	27	134	25	156	13	147	15	170	14	179	15	151	16	160	8	95	4	108	6	105	7	73	4	51	6	87	0	25	11	124
6	Feb. 5-11 -	26	160	26	182	26	173	22	192	14	193	1	152	18	178	13	108	12	120	0	105	10	83	0	51	7	94	0	25	13	137
7	12-18 -	26	186	31	213	16	189	15	207	15	208	10	162	17	195	8	116	6	126	6	111	7	90	2	53	6	100	0	25	11	148
8	19-25 -	57	243	50	263	34	223	27	234	36	244	28	190	35	230	41	157	36	162	31	142	39	129	39	92	37	137	18	43	36	184
9	Feb. 26-Mar. 4	27	270	34	297	30	253	34	268	37	281	32	222	33	263	25	182	30	192	32	174	27	156	27	119	28	165	12	55	31	215
10	Mar. 5-11 -	23	293	29	326	17	270	12	280	15	296	11	233	17	280	22	204	12	204	11	185	24	180	9	128	16	181	0	55	16	231
11	12-18 -	22	315	25	351	10	280	4	284	8	304	2	235	10	290	10	214	7	211	3	188	23	203	12	140	11	192	0	55	11	242
12	19-25 -	13	328	17	368	13	293	11	295	16	320	6	241	12	302	11	225	10	221	6	194	15	218	11	151	11	203	0	55	11	253
13	Mar. 26-April 1	15	343	17	385	10	303	7	302	10	330	4	245	10	312	9	234	5	226	4	198	12	230	7	158	7	210	0	55	9	262
14	April 2-8 -	41	384	38	423	30	333	27	329	18	348	9	254	24	336	31	265	24	250	2	200	15	245	0	158	14	224	0	55	19	281
15	9-15 -	29	413	28	451	8	341	0	329	5	353	0	254	8	344	14	279	5	255	0	200	11	256	3	161	7	231	0	55	7	288
16	16-22 -	20	433	24	475	19	360	10	339	16	369	10	264	16	360	26	305	15	270	9	209	8	264	5	166	12	243	0	55	14	302
17	23-29 -	21	454	12	487	6	366	2	341	3	372	0	264	5	365	5	310	0	270	0	209	3	267	0	166	2	245	0	55	4	306
18	April 30-May 6	7	461	8	495	6	372	0	341	9	381	0	264	5	370	3	313	3	273	5	214	4	271	0	166	3	248	0	55	4	310
19	May 7-13 -	2	463	2	497	0	372	5	346	6	387	0	264	2	372	0	313	0	273	4	218	0	271	0	166	1	249	0	55	1	311
20	14-20 -	0	463	0	497	0	372	0	346	0	387	0	264	0	372	0	313	0	273	0	218	0	271	0	166	0	249	0	55	0	311
21	21-27 -	13	476	8	505	2	374	3	349	7	394	4	268	5	377	0	313	0	273	4	222	0	271	0	166	1	250	0	55	3	314
22	May 28-June 3	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
23	June 4-10 -	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
24	11-17 -	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
25	18-24 -	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
26	June 25-July 1	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
27	July 2-8 -	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
28	9-15 -	0	476	0	505	0	374	0	549	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
29	16-22 -	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
30	23-29 -	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
31	July 30-Aug. 5	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
32	Aug. 6-12 -	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
33	13-19 -	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
34	20-26 -	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
35	Aug. 27-Sept. 2	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
36	Sept. 3-9 -	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
37	10-16 -	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
38	17-23 -	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
39	24-30 -	0	476	0	505	0	374	0	349	0	394	0	268	0	377	0	313	0	273	0	222	0	271	0	166	0	250	0	55	0	314
40	Oct. 1-7 -	7	483	6	511	3	377	0	349	3	397	0	268	2	379	3	316	0	273	0	222	0	271	0	166	1	251	0	55	2	316
41	8-14 -	0	483	0	511	0	377	0	349	0	397	0	268	0	379	0	316	0	273	0	222	0	271	0	166	0	251	0	55	0	316
42	15-21 -	37	520	34	545	32	409	33	382	38	435	34	302	34	413	42	358	31	304	33	255	29	300	36	202	34	285	0	55	34	350
43	22-28 -	14	534	16	561	17	426	34	416	36	471	36	338	28	441	21	379	17	321	39	294	13	313	20	222	23	307	3	58	25	375
44	Oct. 29-Nov. 4	7	541	7	568	10	436	1	417	11	482	0	338	6	447	4	383	7	328	3	297	5	318	9	231	6	313	0	58	6	381
45	Nov. 5-11 -	12	553	24	592	11	447	15	432	17	499	14	352	16	463	8	391	8	336	15	312	9	327	14	245	11	324	0	58	14	395
46	12-18 -	30	583	36	628	22	469	20	452	26	525	23	375	26	489	31	422	24	360	27	339	25	352	29	274	27	351	0	58	26	421
47	19-25 -	25	608	40	668	34	503	38	490	39	564	36	411	37	526	23	445	28	388	39	378	25	377	31	305	29	380	3	61	33	454
48	Nov. 26-Dec. 2	29	637	30	698	21	524	10	500	23	587	10	421	19	545	10	455	7	395	9	387	12	389	13	318	10	390	0	61	14	468
49	Dec. 3-9 -	7	644	4	702	10	534	24	524	15	602	8	429	12	557	0	455	0	395	7	394	0	389	0	318	2	392	0	61	7	475
50	10-16 -	7	651	15	717	24	558	36	560	33	635	31	460	28	585	9	464	10	405	29	423	6	395	7	325	12	404	3	64	20	495
51	17-23 -	7	658	9	726	9	567	20	580	20	655	8	468	13	598	0	464	6	411	8	431	0	395	0	325	3	407	0	64	8	503
52	Dec. 24-30	34	692	36	762	26	593	25	605	27	682	18	486	26	624	24	488	25	436	8	439	5	400	0	325	12	419	0	64	19	522

TABLE V.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF HOURS OF BRIGHT SUNSHINE IN EACH DISTRICT REGISTERED DURING THE YEAR 1905.

1905.		0. SCOTLAND, N.		Principal Wheat-producing Districts.										Principal Grazing Districts.												CHANNEL ISLANDS.		MEANS FOR DISTRICTS 1-10 COMBINED.	
				1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING DISTRICTS.					
WEEKS.																													
No. of Week.	Limiting Dates of each Week.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.
		NUMBERS OF HOURS OF BRIGHT SUNSHINE—1905.																											
	1905.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
1	Jan. 1-7 -	1	1	6	6	7	7	6	6	5	5	7	7	6	6	4	4	2	2	5	5	1	1	3	3	3	3	9	9	5	5
2	8-14 -	6	7	14	20	17	24	27	33	16	21	20	27	19	25	11	15	11	13	15	20	4	5	9	12	10	13	19	28	14	19
3	15-21 -	9	16	8	28	13	37	19	52	15	36	19	46	15	40	10	25	10	23	18	38	12	17	9	21	12	25	20	48	14	33
4	22-28 -	7	23	14	42	12	49	14	66	15	51	19	65	15	55	11	36	13	36	20	58	8	25	15	36	13	38	28	76	14	47
5	Jan. 29-Feb. 4	4	27	17	59	21	70	32	98	22	73	27	92	24	79	9	45	13	49	13	71	7	32	9	45	10	48	16	92	17	64
6	Feb. 5-11 -	14	41	21	80	18	88	15	113	11	84	11	103	15	94	13	58	11	60	8	79	15	47	12	57	12	60	15	107	14	78
7	12-18 -	7	48	22	102	20	108	16	129	15	99	16	119	18	112	13	71	16	76	21	100	13	60	13	70	15	75	16	123	16	94
8	19-25 -	27	75	18	120	18	126	27	156	17	116	25	144	21	133	35	106	28	104	30	130	35	95	42	112	34	109	21	144	27	121
9	Feb. 26-Mar. 4	10	85	19	139	15	141	20	176	15	131	24	168	19	152	26	132	25	129	27	157	28	123	29	141	27	136	35	179	23	144
10	Mar. 5-11 -	9	94	11	150	19	160	15	191	13	144	9	177	14	166	17	149	16	145	14	171	23	146	25	166	19	155	10	189	17	161
11	12-18 -	18	112	27	177	37	197	32	223	31	175	34	211	32	198	37	186	37	182	32	203	32	178	30	196	33	188	37	226	32	193
12	19-25 -	11	123	13	190	33	230	49	272	31	206	40	251	33	231	22	208	29	211	34	237	32	210	31	227	30	218	32	258	32	225
13	Mar. 26-April 1	30	153	33	223	42	272	40	312	40	246	37	288	38	269	37	245	41	252	35	272	46	256	41	268	40	258	37	295	39	264
14	April 2-8 -	39	192	51	274	45	317	36	348	35	281	26	314	38	307	45	290	36	288	26	298	26	282	18	286	30	288	24	319	34	298
15	9-15 -	26	218	13	287	15	332	18	366	20	301	23	337	18	325	26	316	24	312	19	317	32	314	21	307	24	312	26	345	21	319
16	16-22 -	35	253	26	313	13	345	25	391	18	319	22	359	21	346	28	344	27	339	21	338	37	351	31	338	29	341	29	374	25	344
17	23-29 -	21	274	24	337	30	375	27	418	28	347	27	386	27	373	28	372	24	363	28	366	24	375	18	356	25	366	37	411	26	370
18	April 30-May 6	28	302	29	366	41	416	52	470	38	385	54	440	43	416	31	403	38	401	48	414	42	417	41	397	40	406	51	462	42	412
19	May 7-13 -	36	338	44	410	45	461	59	529	46	431	65	505	52	468	49	452	55	456	63	477	47	464	54	451	53	459	76	538	52	464
20	14-20 -	50	388	51	461	37	498	52	581	51	482	58	563	50	518	62	514	58	514	66	543	89	553	80	531	71	530	64	602	61	525
21	21-27 -	23	411	13	474	30	528	43	624	34	516	56	619	35	553	33	547	39	553	52	595	29	582	36	567	38	568	61	663	36	561
22	May 28-June 3	43	454	52	526	45	573	55	679	40	556	50	669	48	601	38	585	43	596	42	637	41	623	38	605	40	608	56	719	44	605
23	June 4-10 -	44	498	36	562	35	608	21	700	36	592	12	681	28	629	58	643	56	652	34	671	50	673	43	648	48	656	23	742	38	643
24	11-17 -	74	572	66	628	67	675	62	762	40	632	44	725	56	685	75	718	57	709	38	709	65	738	49	697	57	713	48	790	57	700
25	18-24 -	37	609	62	690	59	734	70	832	56	688	68	793	63	748	59	777	54	763	49	758	55	793	59	756	55	768	62	852	59	759
26	June 25-July 1	44	653	49	739	40	774	37	869	42	730	41	834	42	790	61	838	51	814	44	802	63	856	48	804	54	822	62	914	48	807
27	July 2-8 -	34	687	53	792	68	842	67	936	69	799	58	892	63	853	52	890	64	878	67	869	43	899	49	853	55	877	58	972	59	866
28	9-15 -	29	716	37	829	55	897	63	999	58	857	53	945	53	906	37	927	44	922	30	899	34	933	34	887	36	913	39	1011	44	910
29	16-22 -	22	738	38	867	47	944	61	1060	53	910	64	1009	53	959	36	963	47	969	57	956	15	948	13	900	33	946	63	1074	43	953
30	23-29 -	39	777	47	914	44	988	40	1100	36	946	48	1057	43	1002	39	1002	38	1007	29	985	33	981	25	925	33	979	46	1120	38	991
31	July 30-Aug. 5	28	805	42	956	53	1041	49	1149	44	990	44	1101	46	1048	43	1045	41	1048	46	1031	46	1027	45	970	44	1023	48	1168	45	1036
32	Aug. 6-12 -	26	831	33	989	41	1082	44	1193	42	1032	46	1147	41	1089	41	1086	38	1086	43	1074	24	1051	30	1000	35	1058	50	1218	38	1074
33	13-19 -	31	862	32	1021	47	1129	51	1244	43	1075	52	1199	45	1134	36	1122	36	1122	45	1119	35	1086	39	1039	38	1096	55	1273	41	1115
34	20-26 -	32	894	35	1056	33	1162	40	1284	34	1109	46	1245	38	1172	32	1154	33	1155	29	1148	24	1110	24	1063	29	1125	41	1314	34	1149
35	Aug. 27-Sept. 2	9	903	12	1068	19	1181	16	1300	20	1129	19	1264	17	1189	13	1167	18	1173	34	1182	9	1119	17	1080	18	1143	46	1360	18	1167
36	Sept. 3-9 -	23	926	29	1097	26	1207	26	1326	22	1151	28	1292	26	1215	24	1191	19	1192	28	1210	29	1148	25	1105	25	1168	27	1387	25	1192
37	10-16 -	36	962	41	1138	50	1257	47	1373	47	1198	45	1337	46	1261	44	1235	45	1237	45	1255	35	1183	40	1145	42	1210	49	1436	44	1236
38	17-23 -	38	1000	30	1168	38	1293	40	1413	26	1224	28	1365	32	1293	28	1263	32	1269	35	1290	24	1207	16	1161	27	1237	36	1472	30	1266
39	24-30 -	19	1019	15	1183	19	1312	22	1435	14	1238	14	1379	17	1310	37	1300	21	1290	26	1316	26	1233	29	1190	28	1265	24	1496	22	1288
40	Oct. 1-7 -	15	1034	22	1205	25	1337	22	1457	23	1261	24	1403	23	1333	22	1322	21	1311	20	1336	14	1247	23	1213	20	1285	24	1520	22	1310
41	8-14 -	6	1040	16	1221	8	1345	14	1471	7	1268	13	1416	12	1345	14	1336	8	1319	16	1352	6	1253	15	1228	12	1297	18	1538	12	1322
42	15-21 -	21	1061	33	1254	39	1384	35	1506	36	1304	37	1453	36	1381	37	1373	33	1352	39	1391	36	1289	36	1264	36	1333	27	1565	36	1358
43	22-28 -	16	1077	20	1274	22	1406	27	1533	23	1327	34	1487	25	1406	29	1402	28	1380	38	1429	29	1318	28	1292	30	1363	37	1602	27	1385
44	Oct. 29-Nov. 4	10	1087	8	1282	15	1421	20	1553	15	1342	15	1502	15	1421	10	1412	10	1390	23	1452	6	1324	16	1308	13	1376	26	1628	14	1399
45	Nov. 5-11 -	9	1096	14	1296	15	1436	17	1570	13	1355	19	1521	15	1436	13	1425	16	1406	26	1478	15	1339	18	1326	17	1393	27	1655	16	1415
46	12-18 -	12	1108	14	1310	14	1450	11	1581	10	1365	14	1535	13	1449	19	1444	17	1423	21	1499	20	1359	22	1348	20	1413	15	1670	17	1432
47	19-25 -	7	1115	16	1326	16	1466	18	1599	13	1378	17	1552	16	1465	15	1459	13	1436	19	1518	11	1370	12	1360	14	1427	13	1683	15	1447
48	Nov. 26-Dec. 2	8	1123	10	1336	12	1478	10	1609	10	1388	10	1562	10	1475	9	1468	12	1448	17	1535	10	1380	13	1373	12	1439	19	1702	11	1458
49	Dec. 3-9 -	5	1128	18	1354	18	1496	12	1621	15	1403	11	1573	15	1490	11	1479	18	1466	14	1549	17	1397	16	1389	15	1454	9	1711	15	1473
50	10-16 -	2	1130	10	1364	10	1506	11	1632	10	1413	11	1584	10	1500	7	1486	7	1473	15	1564	7	1404	5	1394	8	1462	19	1730	9	1482
51	17-23 -	4	1134	6	1370	6	1512	7	1639	4	1417	5	1589	6	1506	7	1493	8	1481	7	1571	8	1412	6	1400	7	1469	7	1737	6	1488
52	Dec. 24-30 -	10	1144	3	1373	7	1519	5	1644	7	1424	7	1596	6	1512	9	1502	11	1492	8	1579	6	1418	5	1405	8	1477	14	1751	7	1495

TABLE VI.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF **BRIGHT SUNSHINE** IN EACH DISTRICT EXPRESSED AS **PERCENTAGES** OF THE **POSSIBLE DURATION** FOR THE YEAR 1905.

1905.		0. Scot-land, N.		Principal Wheat-producing Districts.										Principal Grazing Districts.												Channel Islands.		Means for Districts 1-10 combined	
				1. Scot-land, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scot-land, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Grazing Districts.					
No. of Week.	Limiting Dates of each week.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.	For the Week.	From Jan. 1, 1905.
PERCENTAGES OF POSSIBLE DURATION OF BRIGHT SUNSHINE—1905.																													
	1905.	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	Jan. 1-7 -	3	3	13	13	13	13	11	11	10	10	12	12	12	12	8	8	4	4	10	10	3	3	5	5	6	6	15	15	10	10
2	8-14 -	12	8	28	20	32	23	50	31	29	20	35	24	36	24	20	15	21	12	27	18	8	5	17	11	19	12	33	24	26	18
3	15-21 -	18	11	16	19	23	23	33	32	27	22	32	27	27	25	19	16	19	14	30	22	21	11	16	13	21	15	33	27	25	20
4	22-28 -	13	12	25	20	21	23	24	29	26	23	31	28	26	25	20	17	22	16	33	25	14	12	26	16	22	17	46	32	24	21
5	Jan. 29-Feb. 4	7	11	29	22	36	25	52	34	35	26	43	31	39	28	15	17	22	18	20	24	12	12	14	16	16	17	25	31	28	23
6	Feb. 5-11 -	23	13	34	25	28	26	22	32	17	24	17	29	23	27	21	17	18	17	13	22	24	14	19	16	19	17	23	29	22	23
7	12-18 -	11	13	34	26	29	27	24	31	22	24	23	28	26	27	19	18	24	18	30	23	20	15	19	17	22	18	22	28	24	23
8	19-25 -	38	17	26	26	25	26	37	32	24	24	35	29	30	28	49	22	40	22	41	26	50	20	59	23	48	23	29	28	38	25
9	Feb. 26-Mar. 4	14	16	26	26	20	26	26	31	20	23	32	29	25	27	35	24	33	23	36	27	38	22	39	25	36	24	46	31	31	26
10	Mar. 5-11 -	12	16	15	25	25	25	18	30	17	22	11	27	18	26	22	24	21	23	18	26	29	23	32	26	24	24	13	28	22	25
11	12-18 -	23	17	33	26	45	28	39	31	38	24	42	29	39	28	45	26	45	25	39	28	39	25	36	27	40	26	46	30	39	27
12	19-25 -	13	16	16	24	39	29	57	33	36	25	48	31	39	29	26	26	34	26	40	29	37	26	37	28	35	27	37	31	38	28
13	Mar. 26-April 1	34	18	37	26	47	31	45	35	46	27	42	32	43	30	42	28	47	28	40	30	52	29	47	30	45	29	42	32	44	30
14	April 2-8 -	42	20	54	29	49	32	40	35	38	28	29	31	41	31	49	30	39	29	29	30	28	29	19	29	33	29	26	31	37	30
15	9-15 -	26	21	14	27	16	31	18	34	22	28	25	31	19	30	28	30	26	29	20	29	33	29	23	28	25	29	28	31	22	30
16	16-22 -	35	22	26	27	14	29	25	33	18	27	22	30	21	29	28	29	28	29	21	28	38	30	31	29	29	29	30	31	25	29
17	23-29 -	20	22	23	27	29	29	27	33	28	27	27	30	28	29	27	29	24	28	28	28	23	29	18	28	25	29	37	32	25	29
18	April 30-May 6	25	22	27	27	38	30	50	34	36	28	53	32	41	30	30	29	36	29	46	30	40	30	39	29	38	30	50	33	40	30
19	May 7-13 -	32	23	39	28	41	31	55	35	43	29	61	34	48	31	45	30	51	31	60	32	43	31	50	30	49	31	72	36	48	31
20	14-20 -	43	25	44	29	33	31	47	36	46	30	54	35	45	32	56	32	53	32	61	34	79	35	73	33	64	33	60	37	55	33
21	21-27 -	20	24	11	28	26	31	39	36	31	30	51	36	31	32	29	32	34	32	47	35	25	34	32	33	34	33	56	38	32	33
22	May 28-June 3	35	25	43	29	39	31	48	37	35	30	45	37	42	33	33	32	37	33	37	35	35	34	34	33	35	33	51	39	38	33
23	June 4-10 -	35	26	30	29	30	31	18	36	32	30	11	35	24	32	49	33	48	34	30	34	43	35	37	33	41	34	20	38	33	33
24	11-17 -	59	28	54	30	56	33	54	37	34	31	39	35	48	33	63	35	49	34	34	34	55	36	42	34	49	35	43	38	49	34
25	18-24 -	29	28	50	31	50	34	60	38	48	32	59	36	53	34	50	36	46	35	43	35	46	36	51	35	47	35	54	39	50	35
26	June 25-July 1	36	28	40	32	34	34	32	38	36	32	36	36	38	34	51	36	44	35	38	35	54	37	42	35	46	36	56	40	41	35
27	July 2-8 -	28	28	44	33	58	35	59	39	60	33	52	37	54	35	44	37	55	36	59	36	37	37	42	35	47	36	52	41	51	36
28	9-15 -	24	28	31	32	48	35	56	40	51	34	48	38	46	36	32	36	38	36	27	36	29	37	29	35	31	36	36	40	38	36
29	16-22 -	19	27	33	32	41	36	55	40	47	35	58	38	47	36	31	36	42	37	51	36	13	36	12	34	29	36	58	41	38	36
30	23-29 -	34	28	41	33	39	36	37	40	32	34	44	39	39	36	35	36	35	37	27	36	30	36	22	34	30	36	43	41	35	36
31	July 30-Aug. 5	25	28	38	33	49	36	46	40	41	35	41	39	43	37	40	36	38	37	44	36	42	36	42	34	41	36	46	41	42	36
32	Aug. 6-12 -	24	28	31	33	39	36	42	40	40	35	45	39	39	37	39	36	36	37	42	37	23	35	29	34	33	36	49	42	36	36
33	12-19 -	29	28	31	33	46	37	51	41	42	35	52	39	44	37	35	36	35	37	45	37	34	35	38	34	37	36	55	42	40	36
34	20-26 -	31	28	34	33	34	37	41	41	35	35	47	40	38	37	32	36	33	36	30	37	24	35	24	34	29	36	43	42	34	36
35	Aug. 27-Sept. 2	9	27	12	32	19	36	17	40	21	35	20	39	18	36	13	36	18	36	37	37	10	34	18	33	19	35	49	42	19	36
36	Sept. 3-9 -	25	27	31	32	28	36	29	40	24	34	31	39	28	36	26	35	20	36	30	36	31	34	27	33	27	35	30	42	27	36
37	10-16 -	40	27	46	33	56	36	53	40	52	35	51	39	52	37	50	36	50	36	52	37	40	34	45	33	47	35	55	42	49	36
38	17-23 -	45	28	36	33	43	37	48	40	30	35	33	39	38	37	33	36	38	36	42	37	29	34	18	33	32	35	42	42	35	36
39	24-30 -	23	28	19	32	23	36	27	40	17	34	17	39	21	36	45	36	26	36	31	37	31	34	36	33	34	35	29	42	27	36
40	Oct. 1-7 -	19	28	29	32	32	36	28	40	29	34	30	38	29	36	28	36	27	36	26	37	18	34	29	33	26	35	31	42	28	36
41	8-14 -	8	27	21	32	10	36	18	39	10	34	17	38	16	36	19	35	11	35	21	36	7	33	21	33	16	34	24	41	16	35
42	15-21 -	30	27	48	32	54	36	48	39	49	34	51	38	50	36	53	36	46	35	53	37	51	34	51	33	50	35	38	41	50	35
43	22-28 -	25	27	31	32	33	36	38	39	34	34	49	38	37	36	44	36	42	35	54	37	43	34	42	33	44	35	52	42	40	35
44	Oct. 29-Nov. 4	16	27	12	32	23	36	31	39	22	34	22	38	23	36	15	35	16	35	34	37	9	33	25	33	20	35	38	41	22	35
45	Nov. 5-11 -	16	27	24	32	25	36	26	39	21	34	30	38	24	36	21	35	25	35	41	37	25	33	29	33	27	35	42	41	26	35
46	12-18 -	23	27	25	32	24	35	18	39	16	33	22	38	22	35	34	35	28	35	34	37	35	33	37	33	34	35	25	41	29	35
47	19-25 -	14	27	31	32	28	35	31	39	23	33	29	38	29	35	27	35	23	35	32	37	20	33	21	33	25	34	22	41	27	35
48	Nov. 26-Dec. 2	17	27	20	32	23	35	19	38	19	33	18	37	19	35	17	35	22	34	29	37	19	33	24	33	22	34	32	41	20	35
49	Dec. 3-9 -	12	26	37	32	34	35	22	38	28	33	19	37	29	35	22	35	35	34	25	37	33	33	31	33	29	34	16	40	29	35
50	10-16 -	4	26	22	32	20	35	20	38	20	33	20	37	20	35	15	34	14	34	27	36	15	33	10	32	16	34	34	40	18	34
51	17-23 -	9	26	12	31	12	35	14	38	8	33	9	37	12	35	15	34	15	34	12	36	15	32	11	32	14	34	12	40	12	34
52	Dec. 24-30 -	22	26	7	31	13	35	10	37	13	32	13	36	12	34	18	34	22	34	15	36	13	32	10	32	16	34	25	40	14	34

WEEKLY WEATHER REPORT, 1905.

Twenty-Eighth Year.
Vol. XXII. [*New Series.*] } Appendix III.]

[*Price* 4*s.*

SUPPLIED FOR THE PUBLIC SERVICE

TABLE I.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905, AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE NUMBERS OF **RAIN-DAYS** FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing Districts.						Channel Islands.	Means for Districts 1-10 combined.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.	
		Numbers of Rain-Days.													
1	1901-1905	6	5	4	4	5	5	5	6	5	5	5	5	5	6	5
	1881-1905	**5**	**4**	**4**	**4**	**4**	**4**	**4**	**5**	**4**	**5**	**5**	**5**	**5**	**5**	**5**
2	1901-1905	10	8	7	7	9	8	8	10	9	9	10	10	10	10	9
	1881-1905	**10**	**7**	**8**	**8**	**8**	**7**	**8**	**9**	**8**	**8**	**9**	**9**	**9**	**9**	**9**
3	1901-1905	14	10	9	10	11	11	10	14	13	12	14	14	13	14	12
	1881-1905	**15**	**11**	**11**	**11**	**11**	**11**	**11**	**13**	**12**	**12**	**14**	**13**	**13**	**14**	**12**
4	1901-1905	21	15	12	13	14	14	14	19	17	16	20	19	18	18	16
	1881-1905	**21**	**16**	**14**	**15**	**15**	**14**	**15**	**19**	**16**	**17**	**19**	**18**	**18**	**19**	**17**
5	1901-1905	27	20	16	16	18	18	18	24	22	22	25	24	23	24	21
	1881-1905	**27**	**20**	**19**	**19**	**19**	**19**	**19**	**23**	**21**	**22**	**24**	**22**	**22**	**24**	**21**
6	1901-1905	32	24	19	19	22	22	21	28	26	25	30	27	27	28	24
	1881-1905	**32**	**24**	**22**	**23**	**23**	**22**	**23**	**28**	**25**	**26**	**29**	**27**	**27**	**28**	**25**
7	1901-1905	38	27	22	23	25	25	24	32	30	28	34	30	31	33	28
	1881-1905	**37**	**28**	**25**	**26**	**26**	**26**	**26**	**32**	**29**	**29**	**33**	**31**	**31**	**33**	**29**
8	1901-1905	43	31	27	26	28	29	28	36	33	32	40	35	35	37	32
	1881-1905	**41**	**31**	**29**	**29**	**29**	**28**	**29**	**36**	**33**	**33**	**37**	**34**	**35**	**37**	**32**
9	1901-1905	47	36	32	32	33	34	33	41	38	37	45	40	40	43	37
	1881-1905	**46**	**35**	**33**	**34**	**33**	**32**	**33**	**40**	**36**	**36**	**42**	**38**	**38**	**41**	**36**
10	1901-1905	53	40	36	36	37	38	37	47	43	41	50	44	45	47	41
	1881-1905	**51**	**39**	**37**	**37**	**36**	**35**	**37**	**44**	**40**	**40**	**46**	**42**	**42**	**45**	**40**
11	1901-1905	59	45	39	40	41	41	41	52	48	45	56	50	50	51	46
	1881-1905	**56**	**43**	**40**	**40**	**39**	**38**	**40**	**48**	**44**	**44**	**51**	**46**	**47**	**49**	**44**
12	1901-1905	64	50	42	43	44	44	45	56	50	49	60	54	54	55	50
	1881-1905	**62**	**47**	**44**	**44**	**42**	**41**	**44**	**53**	**47**	**47**	**55**	**50**	**50**	**53**	**47**
13	1901-1905	69	55	47	48	48	48	49	61	56	54	67	60	60	61	55
	1881-1905	**66**	**51**	**47**	**47**	**46**	**44**	**47**	**57**	**51**	**51**	**60**	**54**	**55**	**57**	**51**

375 Wt 65 5/1906 D & S 23 24317

TABLE I.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE NUMBERS OF **RAIN-DAYS** FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing Districts.						Channel Islands	Means for Districts 1-10 combined.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.	
		Numbers of Rain-Days.													
14	1901–1905	76	59	51	52	53	52	53	67	61	59	73	65	65	65	59
	1881–1905	**70**	**55**	**51**	**50**	**49**	**47**	**50**	**60**	**55**	**54**	**64**	**57**	**58**	**60**	**54**
15	1901–1905	81	64	55	56	57	56	58	70	65	62	77	69	69	69	64
	1881–1905	**75**	**59**	**54**	**54**	**52**	**50**	**54**	**64**	**58**	**58**	**68**	**61**	**62**	**64**	**58**
16	1901 1905	85	67	58	58	59	58	60	73	67	65	81	73	72	72	66
	1881–1905	**79**	**62**	**58**	**57**	**55**	**53**	**57**	**67**	**61**	**61**	**72**	**65**	**65**	**68**	**61**
17	1901–1905	89	72	62	61	63	62	64	78	71	69	86	77	76	76	70
	1881–1905	**83**	**66**	**62**	**61**	**59**	**57**	**61**	**71**	**65**	**65**	**76**	**69**	**69**	**72**	**65**
18	1901–1905	94	76	66	65	67	66	68	82	76	72	90	82	80	81	74
	1881–1905	**88**	**70**	**65**	**64**	**62**	**60**	**64**	**75**	**69**	**69**	**80**	**73**	**73**	**75**	**69**
19	1901–1905	99	81	70	69	70	69	72	86	80	76	95	86	85	85	79
	1881–1905	**92**	**73**	**68**	**67**	**65**	**63**	**67**	**79**	**72**	**71**	**84**	**76**	**76**	**78**	**72**
20	1901–1905	102	83	71	71	72	71	74	89	82	78	97	88	87	87	81
	1881–1905	**96**	**77**	**71**	**70**	**68**	**66**	**70**	**82**	**75**	**74**	**88**	**80**	**80**	**81**	**75**
21	1901–1905	105	86	74	74	75	73	76	92	84	80	100	90	89	89	83
	1881–1905	**100**	**80**	**74**	**73**	**71**	**69**	**73**	**86**	**78**	**77**	**92**	**83**	**83**	**84**	**78**
22	1901 1905	109	90	77	76	77	76	79	96	88	83	105	93	93	92	86
	1881–1905	**104**	**84**	**77**	**75**	**74**	**71**	**76**	**89**	**81**	**80**	**95**	**86**	**86**	**87**	**81**
23	1901–1905	112	92	79	79	80	80	82	98	90	86	107	96	95	95	89
	1881–1905	**107**	**86**	**80**	**78**	**76**	**74**	**79**	**92**	**84**	**83**	**98**	**89**	**89**	**90**	**84**
24	1901–1905	116	96	82	83	84	83	85	101	94	90	112	99	99	100	92
	1881–1905	**111**	**90**	**82**	**81**	**79**	**77**	**82**	**95**	**87**	**86**	**102**	**92**	**92**	**94**	**87**
25	1901–1905	120	100	85	85	87	86	88	105	98	93	116	104	103	103	96
	1881–1905	**115**	**93**	**86**	**84**	**82**	**79**	**85**	**99**	**90**	**90**	**106**	**96**	**96**	**97**	**91**
26	1901–1905	124	103	87	87	89	88	91	108	100	96	119	106	106	106	99
	1881–1905	**119**	**96**	**88**	**86**	**85**	**82**	**87**	**102**	**94**	**92**	**110**	**99**	**99**	**100**	**93**
27	1901–1905	128	106	89	89	91	90	93	111	102	98	122	108	108	108	101
	1881–1905	**123**	**100**	**91**	**89**	**88**	**84**	**90**	**106**	**97**	**95**	**114**	**103**	**103**	**103**	**97**
28	1901–1905	132	109	92	91	92	91	95	114	105	100	127	112	112	111	104
	1881–1905	**127**	**104**	**95**	**92**	**91**	**87**	**94**	**110**	**100**	**99**	**119**	**106**	**107**	**106**	**101**

TABLE I.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905, AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE NUMBERS OF **RAIN-DAYS** FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing Districts.						Channel Islands.	Means for Districts 1-10 combined.
		0. Scotland, N.	1. Scotland, E.	2. England N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.	
		Numbers of Rain-Days.													
29	1901–1905	136	112	94	93	94	93	97	118	108	103	132	115	115	114	106
	1881–1905	**132**	**108**	**98**	**95**	**94**	**90**	**97**	**114**	**104**	**103**	**124**	**111**	**111**	**110**	**104**
30	1901–1905	140	117	99	97	99	98	102	122	113	107	137	120	120	118	111
	1881–1905	**136**	**112**	**102**	**99**	**98**	**93**	**101**	**118**	**108**	**106**	**128**	**114**	**115**	**113**	**108**
31	1901–1905	146	122	102	99	102	100	105	127	117	110	142	124	124	121	115
	1881–1905	**141**	**116**	**105**	**102**	**101**	**96**	**104**	**122**	**111**	**109**	**133**	**118**	**119**	**116**	**112**
32	1901–1905	152	127	106	102	106	104	109	132	121	115	148	128	129	125	119
	1881–1905	**146**	**120**	**108**	**105**	**104**	**99**	**107**	**126**	**115**	**113**	**137**	**122**	**123**	**120**	**115**
33	1901–1905	157	131	109	105	109	108	112	135	126	119	154	133	133	129	123
	1881–1905	**151**	**124**	**112**	**108**	**108**	**102**	**111**	**131**	**119**	**117**	**142**	**126**	**127**	**124**	**119**
34	1901–1905	162	135	113	108	113	111	116	140	130	123	159	137	138	134	127
	1881–1905	**155**	**128**	**116**	**112**	**111**	**106**	**115**	**135**	**123**	**121**	**147**	**131**	**131**	**128**	**123**
35	1901–1905	168	140	117	112	117	115	120	144	135	127	164	141	142	138	131
	1881–1905	**160**	**133**	**120**	**116**	**115**	**110**	**119**	**140**	**128**	**125**	**152**	**135**	**136**	**133**	**128**
36	1901–1905	174	145	120	115	120	119	124	149	139	132	169	146	147	143	136
	1881–1905	**165**	**137**	**123**	**119**	**118**	**113**	**122**	**143**	**131**	**129**	**157**	**139**	**140**	**136**	**131**
37	1901–1905	177	148	122	118	123	121	126	151	142	135	173	149	150	147	138
	1881–1905	**169**	**140**	**126**	**121**	**120**	**115**	**124**	**147**	**134**	**131**	**160**	**142**	**143**	**139**	**134**
38	1901–1905	181	151	125	120	126	124	129	154	145	138	176	153	153	150	141
	1881–1905	**174**	**143**	**129**	**124**	**123**	**118**	**127**	**150**	**138**	**135**	**164**	**145**	**146**	**143**	**137**
39	1901–1905	186	156	129	123	129	127	133	159	149	141	181	158	158	155	146
	1881–1905	**179**	**148**	**133**	**128**	**127**	**122**	**132**	**155**	**142**	**139**	**169**	**150**	**151**	**148**	**142**
40	1901–1905	192	161	134	127	133	131	137	164	153	146	186	162	162	160	150
	1881–1905	**184**	**153**	**137**	**132**	**131**	**126**	**136**	**160**	**146**	**144**	**174**	**154**	**156**	**152**	**146**
41	1901–1905	197	165	138	131	137	135	141	168	157	150	191	166	166	165	154
	1881–1905	**189**	**157**	**141**	**136**	**135**	**130**	**140**	**164**	**151**	**148**	**179**	**158**	**160**	**157**	**150**
42	1901–1905	203	170	142	136	141	139	146	173	161	154	196	171	171	171	159
	1881–1905	**194**	**161**	**145**	**140**	**139**	**133**	**144**	**168**	**154**	**152**	**183**	**162**	**164**	**162**	**154**
43	1901–1905	209	175	146	139	145	143	150	178	165	158	201	176	176	176	163
	1881–1905	**199**	**165**	**149**	**144**	**143**	**137**	**148**	**172**	**158**	**156**	**188**	**166**	**168**	**167**	**158**

TABLE I.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE NUMBERS OF **RAIN-DAYS** FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	Principal Grazing Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.	Channel Islands.	Means for Districts 1-10 combined.
		Numbers of Rain-Days.														
44	1901–1905	214	179	149	141	147	145	152	182	169	161	206	179	179	179	166
	1881–1905	**205**	**170**	**153**	**148**	**147**	**141**	**152**	**177**	**163**	**161**	**193**	**171**	**173**	**172**	**163**
45	1901–1905	219	184	153	145	151	149	156	187	174	165	211	184	184	184	170
	1881–1905	**210**	**174**	**157**	**152**	**151**	**145**	**156**	**182**	**168**	**166**	**198**	**176**	**178**	**177**	**167**
46	1901–1905	225	187	156	148	154	152	159	191	177	169	215	187	188	190	174
	1881–1905	**215**	**178**	**161**	**156**	**154**	**149**	**160**	**186**	**172**	**170**	**202**	**180**	**182**	**182**	**171**
47	1901–1905	229	191	159	152	157	155	163	195	181	173	221	192	192	193	178
	1881–1905	**220**	**183**	**165**	**160**	**158**	**153**	**164**	**191**	**176**	**175**	**207**	**184**	**187**	**187**	**176**
48	1901–1905	235	195	163	155	160	159	166	200	186	177	226	196	197	198	182
	1881–1905	**226**	**186**	**170**	**163**	**162**	**156**	**167**	**195**	**180**	**179**	**212**	**189**	**191**	**192**	**179**
49	1901–1905	240	200	167	160	165	164	171	205	190	182	232	201	202	204	187
	1881–1905	**231**	**191**	**174**	**168**	**166**	**161**	**172**	**200**	**185**	**184**	**218**	**194**	**196**	**197**	**184**
50	1901–1905	245	204	170	163	168	167	174	210	194	186	236	206	206	209	190
	1881–1905	**237**	**196**	**177**	**172**	**170**	**165**	**176**	**205**	**190**	**189**	**223**	**199**	**201**	**202**	**189**
51	1901–1905	250	208	173	165	171	170	177	214	197	189	241	210	210	213	194
	1881–1905	**242**	**199**	**181**	**175**	**173**	**168**	**179**	**209**	**193**	**193**	**228**	**203**	**205**	**207**	**192**
52	1901–1905	254	212	175	169	174	173	181	217	200	193	245	214	214	217	198
	1881–1905	**247**	**203**	**184**	**179**	**177**	**172**	**183**	**214**	**197**	**197**	**232**	**208**	**210**	**212**	**197**

TABLE II.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE AMOUNTS OF **RAINFALL** FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	Principal Grazing Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.	Channel Islands.	Means for Districts 1-10 combined.
		Rainfall—Amounts in Inches.														
1	1901–1905	1·54	0·87	0·68	0·60	0·97	0·81	0·79	1·64	0·99	1·39	1·13	1·11	1·25	1·01	1·02
	1881–1905	**0·94**	**0·65**	**0·51**	**0·49**	**0·57**	**0·49**	**0·54**	**1·19**	**0·73**	**0·85**	**0·85**	**1·07**	**0·94**	**0·80**	**0·74**
2	1901–1905	2·69	1·21	0·95	0·78	1·29	1·19	1·08	2·33	1·49	1·94	1·99	2·05	1·96	1·70	1·52
	1881–1905	**1·81**	**1·00**	**0·87**	**0·81**	**0·92**	**0·90**	**0·90**	**1·91**	**1·20**	**1·49**	**1·47**	**1·86**	**1·59**	**1·42**	**1·25**
3	1901–1905	3·49	1·47	1·11	1·06	1·52	1·52	1·34	3·26	1·88	2·46	2·50	2·88	2·60	2·12	1·97
	1881–1905	**3·10**	**1·60**	**1·17**	**1·15**	**1·33**	**1·37**	**1·32**	**3·00**	**1·84**	**2·21**	**2·17**	**2·64**	**2·37**	**1·98**	**1·85**
4	1901–1905	5·65	2·21	1·31	1·28	1·83	2·07	1·74	4·72	2·64	3·35	3·37	3·74	3·56	2·79	2·65
	1881–1905	**4·72**	**2·17**	**1·52**	**1·54**	**1·84**	**1·88**	**1·79**	**4·20**	**2·63**	**3·12**	**3·04**	**3·53**	**3·30**	**2·68**	**2·55**
5	1901–1905	7·10	2·92	1·70	1·57	2·32	2·49	2·20	5·59	3·28	4·07	4·09	4·35	4·28	3·56	3·24
	1881–1905	**5·96**	**2·73**	**1·97**	**1·98**	**2·44**	**2·48**	**2·32**	**5·20**	**3·37**	**4·01**	**3·80**	**4·36**	**4·15**	**3·43**	**3·24**
6	1901–1905	8·17	3·44	2·02	1·91	2·77	3·01	2·63	6·46	3·78	4·73	4·66	4·87	4·90	4·26	3·77
	1881–1905	**7·00**	**3·24**	**2·32**	**2·33**	**2·92**	**3·00**	**2·76**	**6·23**	**4·02**	**4·77**	**4·55**	**5·24**	**4·96**	**4·04**	**3·86**
7	1901–1905	9·45	3·78	2·34	2·20	2·98	3·19	2·90	7·29	4·31	5·10	5·19	5·29	5·44	4·74	4·17
	1881–1905	**8·08**	**3·75**	**2·69**	**2·75**	**3·39**	**3·49**	**3·21**	**7·19**	**4·57**	**5·52**	**5·16**	**5·90**	**5·67**	**4·72**	**4·44**
8	1901–1905	10·46	4·38	2·66	2·44	3·40	3·63	3·30	8·51	4·90	5·70	6·06	6·40	6·31	5·33	4·81
	1881–1905	**8·84**	**4·20**	**2·99**	**3·01**	**3·73**	**3·83**	**3·55**	**7·98**	**5·03**	**6·06**	**5·74**	**6·74**	**6·31**	**5·21**	**4·93**
9	1901–1905	11·20	5·06	3·14	2·95	4·10	4·42	3·93	9·64	5·65	6·92	7·01	7·58	7·36	6·31	5·65
	1881–1905	**9·57**	**4·69**	**3·50**	**3·44**	**4·22**	**4·38**	**4·05**	**8·76**	**5·61**	**6·84**	**6·45**	**7·51**	**7·03**	**5·86**	**5·54**
10	1901–1905	12·57	5·66	3·44	3·32	4·70	4·99	4·42	11·14	6·37	7·89	7·67	8·41	8·30	6·91	6·36
	1881–1905	**10·62**	**5·23**	**3·95**	**3·82**	**4·66**	**4·85**	**4·50**	**9·73**	**6·24**	**7·59**	**7·09**	**8·23**	**7·78**	**6·51**	**6·14**
11	1901–1905	13·71	6·30	3·82	3·69	5·25	5·63	4·94	12·33	7·07	8·60	8·48	9·29	9·15	7·43	7·05
	1881–1905	**11·52**	**5·68**	**4·27**	**4·06**	**4·95**	**5·21**	**4·83**	**10·39**	**6·68**	**8·06**	**7·58**	**8·81**	**8·30**	**6·89**	**6·57**
12	1901–1905	14·86	6·95	4·06	3·96	5·60	6·01	5·32	13·35	7·48	9·21	9·32	10·36	7·94	7·96	6·63
	1881–1905	**12·52**	**6·22**	**4·66**	**4·53**	**5·36**	**5·66**	**5·29**	**11·25**	**7·22**	**8·66**	**8·21**	**9·47**	**8·96**	**7·35**	**7·13**
13	1901–1905	16·01	7·55	4·53	4·53	6·18	6·56	5·87	14·67	8·42	10·04	10·31	11·34	10·96	8·70	8·42
	1881–1905	**13·31**	**6·69**	**5·07**	**4·86**	**5·75**	**6·01**	**5·68**	**12·05**	**7·83**	**9·30**	**8·92**	**10·22**	**9·66**	**7·87**	**7·67**
14	1901–1905	17·60	8·10	4·81	4·98	6·62	6·91	6·28	15·80	9·09	10·65	11·11	12·01	11·73	9·22	9·01
	1881–1905	**14·00**	**7·05**	**5·36**	**5·16**	**6·15**	**6·30**	**6·00**	**12·66**	**8·30**	**9·78**	**9·47**	**10·79**	**10·20**	**8·23**	**8·10**
15	1901–1905	18·32	8·63	5·21	5·44	7·12	7·38	6·76	16·46	9·47	11·41	11·57	12·55	12·29	9·97	9·53
	1881–1905	**14·75**	**7·52**	**5·78**	**5·57**	**6·58**	**6·65**	**6·42**	**13·34**	**8·83**	**10·33**	**10·00**	**11·39**	**10 78**	**8·70**	**8·60**

TABLE II.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE AMOUNTS OF **RAINFALL** FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	Principal Grazing Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.	Channel Islands.	Means for Districts 1-10 combined.
		Rainfall—Amounts in Inches.														
16	1901–1905	18·78	8·91	5·50	5·68	7·45	7·67	7·04	16·85	9·70	11·78	12·03	13·05	12·68	10·34	9·86
	1881–1905	**15·23**	**7·84**	**6·07**	**5·85**	**6·91**	**6·99**	**6·73**	**13·86**	**9·17**	**10·75**	**10·50**	**11·90**	**11·24**	**9·11**	**8·99**
17	1901–1905	19·58	9·41	5·93	5·95	8·03	8·34	7·53	17·72	10·37	12·70	12·67	13·85	13·46	11·01	10·50
	1881–1905	**15·90**	**8·34**	**6·53**	**6·31**	**7·43**	**7·57**	**7·24**	**14·59**	**9·74**	**11·53**	**11·09**	**12·68**	**11·93**	**9·69**	**9·59**
18	1901–1905	20·17	10·01	6·63	6·53	8·69	8·88	8·15	18·49	11·08	13·33	13·20	14·54	14·13	11·74	11·14
	1881–1905	**16·52**	**8·78**	**6·95**	**6·68**	**7·84**	**7·91**	**7·63**	**15·28**	**10·24**	**12·03**	**11·71**	**13·30**	**12·51**	**10·16**	**10·07**
19	1901–1905	20·99	10·57	6·92	6·99	9·01	9·19	8·54	19·08	11·38	13·69	13·76	14·98	14·58	12·05	11·56
	1881–1905	**17·11**	**9·19**	**7·32**	**7·06**	**8·20**	**8·20**	**7·99**	**15·85**	**10·69**	**12·40**	**12·19**	**13·76**	**12·98**	**10·41**	**10·49**
20	1901–1905	21·38	10·72	7·09	7·25	9·22	9·51	8·76	19·47	11·58	13·95	14·09	15·23	14·86	12·29	11·81
	1881–1905	**17·73**	**9·70**	**7·69**	**7·49**	**8·72**	**8·63**	**8·45**	**16·59**	**11·23**	**12·93**	**12·78**	**14·33**	**13·57**	**10·82**	**11·01**
21	1901–1905	21·75	11·09	7·40	7·50	9·62	9·86	9·09	19·95	11·96	14·38	14·44	15·50	15·25	12·66	12·17
	1881–1905	**18·19**	**10·15**	**8·15**	**7·95**	**9·25**	**9·10**	**8·92**	**17·16**	**11·69**	**13·43**	**13·28**	**14·88**	**14·09**	**11·34**	**11·51**
22	1901–1905	22·53	11·78	7·96	7·90	10·02	10·24	9·58	20·96	12·50	14·75	15·22	16·00	15·89	13·02	12·74
	1881–1905	**18·77**	**10·66**	**8·59**	**8·34**	**9·74**	**9·49**	**9·36**	**17·86**	**12·29**	**13·91**	**13·86**	**15·50**	**14·68**	**11·86**	**12·02**
23	1901–1905	22·78	12·04	8·29	8·65	10·41	11·20	10·12	21·24	12·72	15·21	15·54	16·39	16·22	13·40	13·17
	1881–1905	**19·23**	**11·02**	**8·99**	**8·92**	**10·23**	**10·06**	**9·84**	**18·36**	**12·64**	**14·38**	**14·41**	**16·06**	**15·17**	**12·29**	**12·51**
24	1901–1905	23·58	12·44	8·85	9·81	11·14	12·06	10·86	21·90	13·29	16·25	16·05	16·82	16·86	14·17	13·86
	1881–1905	**19·79**	**11·49**	**9·40**	**9·48**	**10·66**	**10·49**	**10·30**	**18·98**	**13·10**	**14·95**	**14·98**	**16·53**	**15·71**	**12·65**	**13·01**
25	1901–1905	24·32	13·13	9·33	9·99	11·52	12·35	11·26	23·07	14·07	16·91	17·01	18·15	17·84	14·62	14·55
	1881–1905	**20·52**	**12·06**	**9·85**	**9·86**	**11·12**	**10·89**	**10·76**	**19·78**	**13·73**	**15·49**	**15·68**	**17·29**	**16·39**	**13·13**	**13·58**
26	1901–1905	25·02	13·44	9·49	10·21	11·84	12·63	11·52	23·50	14·27	17·30	17·35	18·52	18·19	14·85	14·86
	1881–1905	**21·11**	**12·52**	**10·29**	**10·22**	**11·64**	**11·23**	**11·18**	**20·46**	**14·33**	**15·99**	**16·33**	**17·83**	**16·99**	**13·45**	**14·09**
27	1901–1905	25·76	13·84	9·83	10·56	12·25	12·92	11·88	24·05	14·60	17·52	17·60	18·79	18·51	15·02	15·20
	1881–1905	**21·92**	**13·15**	**10·79**	**10·63**	**12·04**	**11·63**	**11·65**	**21·22**	**14·87**	**16·47**	**16·89**	**18·38**	**17·57**	**13·92**	**14·61**
28	1901–1905	26·27	14·47	10·24	10·93	12·54	13·21	12·28	25·13	15·17	17·86	18·41	19·52	19·22	15·28	15·75
	1881–1905	**22·58**	**13·81**	**11·24**	**11·22**	**12·57**	**12·10**	**12·19**	**22·14**	**15·52**	**17·14**	**17·65**	**19·15**	**18·32**	**14·40**	**15·26**
29	1901–1905	26·90	14·88	10·57	11·45	12·88	13·65	12·69	25·78	15·59	18·50	19·21	20·07	19·83	15·77	16·26
	1881–1905	**23·37**	**14·56**	**11·86**	**11·83**	**13·09**	**12·62**	**12·79**	**22·92**	**16·19**	**17·88**	**18·46**	**19·82**	**19·05**	**15·01**	**15·92**
30	1901–1905	27·55	15·82	11·68	12·36	14·27	14·57	13·74	26·59	16·57	19·76	19·99	20·97	20·78	16·59	17·26
	1881–1905	**24·02**	**15·18**	**12·63**	**12·51**	**13·82**	**13·30**	**13·49**	**23·69**	**17·07**	**18·73**	**19·24**	**20·61**	**19·87**	**15·61**	**16·68**

TABLE II.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE AMOUNTS OF **RAINFALL** FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.							Principal Grazing Districts.						Channel Islands.	Means for Districts 1-10 combined.
		0. Scotland, N	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.		
		Rainfall—Amounts in Inches.														
31	1901–1905	29·16	16·53	11·99	12·57	14·64	14·88	14·12	27·76	17·09	20·23	20·98	21·66	21·54	16·93	17·83
	1881–1905	**24·96**	**15·72**	**13·10**	**12·91**	**14·30**	**13·68**	**13·94**	**24·51**	**17·77**	**19·31**	**19·98**	**21·32**	**20·58**	**16·02**	**17·26**
32	1901–1905	29·94	17·47	12·52	13·22	15·26	15·46	14·79	28·84	17·83	20·93	22·25	22·71	22·51	17·82	18·65
	1881–1905	**25·74**	**16·46**	**13·72**	**13·47**	**14·86**	**14·14**	**14·53**	**25·57**	**18·59**	**19·98**	**20·97**	**22·35**	**21·49**	**16·64**	**18·01**
33	1901–1905	30·91	18·14	12·96	13·69	16·13	16·15	15·41	29·98	18·74	21·83	23·02	23·55	23·42	18·55	19·42
	1881–1905	**26·62**	**17·21**	**14·27**	**14·02**	**15·43**	**14·69**	**15·12**	**26·60**	**19·31**	**20·66**	**21·83**	**23·25**	**22·33**	**17·20**	**18·73**
34	1901–1905	31·87	18·72	13·90	14·31	16·98	16·89	16·16	31·23	19·71	22·83	23·95	24·61	24·47	19·22	20·32
	1881–1905	**27·44**	**17·84**	**14·99**	**14·64**	**16·10**	**15·32**	**15·78**	**27·59**	**20·24**	**21·52**	**22·75**	**24·32**	**23·28**	**17·86**	**19·53**
35	1901–1905	33·28	19·67	14·63	15·00	17·68	17·73	16·94	32·61	20·59	23·66	24·95	25·38	25·44	19·89	21·19
	1881–1905	**28·71**	**18·31**	**15·62**	**15·20**	**16·79**	**16·03**	**16·39**	**28·92**	**21·21**	**22·55**	**23·81**	**25·21**	**24·34**	**18·56**	**20·37**
36	1901–1905	34·81	20·27	15·11	15·53	18·25	18·40	17·51	34·42	21·66	24·56	26·20	26·70	26·71	20·67	22·11
	1881–1905	**29·53**	**18·85**	**16·08**	**15·75**	**17·30**	**16·64**	**16·92**	**29·79**	**21·89**	**23·23**	**24·58**	**25·93**	**25·08**	**19·12**	**21·00**
37	1901–1905	35·21	20·47	15·29	15·87	18·64	18·84	17·82	34·79	21·91	25·05	26·77	27·16	27·14	21·08	22·48
	1881–1905	**30·33**	**19·48**	**16·36**	**16·10**	**17·62**	**16·98**	**17·31**	**30·45**	**22·36**	**23·72**	**25·08**	**26·43**	**25·61**	**19·53**	**21·46**
38	1901–1905	35·73	20·77	15·59	16·11	18·98	19·24	18·14	35·42	22·16	25·60	27·27	27·90	27·67	21·49	22·91
	1881–1905	**31·34**	**20·00**	**16·75**	**16·48**	**18·06**	**17·42**	**17·74**	**31·39**	**23·01**	**24·37**	**25·73**	**27·09**	**26·32**	**20·06**	**22·03**
39	1901–1905	36·81	21·41	16·04	16·61	19·38	19·67	18·62	36·75	22·52	26·37	28·12	28·69	28·49	22·26	23·56
	1881–1905	**32·41**	**20·65**	**17·24**	**17·13**	**18·63**	**18·09**	**18·35**	**32·59**	**23·82**	**25·32**	**26·69**	**27·82**	**27·25**	**20·91**	**22·80**
40	1901–1905	38·15	22·24	17·11	17·21	20·06	20·47	19·42	38·20	23·71	27·30	29·02	29·31	29·51	23·43	24·47
	1881–1905	**33·90**	**21·41**	**17·94**	**17·65**	**19·22**	**18·80**	**19·00**	**33·02**	**24·81**	**26·29**	**27·59**	**28·54**	**28·05**	**21·74**	**23·53**
41	1901–1905	39·25	22·74	17·75	17·83	20·79	21·03	20·03	39·17	24·62	28·16	29·62	29·87	30·29	24·12	25·16
	1881–1905	**35·08**	**22·12**	**18·72**	**18·38**	**19·95**	**19·53**	**19·74**	**34·99**	**25·78**	**27·33**	**28·52**	**29·48**	**29·22**	**22·61**	**24·48**
42	1901–1905	40·47	23·37	18·17	18·36	21·31	21·83	20·61	40·58	25·61	29·02	30·48	30·75	31·29	25·07	25·95
	1881–1905	**35·98**	**22·70**	**19·45**	**19·07**	**20·58**	**20·25**	**20·41**	**35·88**	**26·59**	**28·33**	**29·27**	**30·34**	**30·08**	**23·54**	**25·25**
43	1901–1905	41·70	24·01	18·71	18·72	21·80	22·46	21·14	41·92	26·43	29·81	31·38	31·51	32·21	25·69	26·68
	1881–1905	**37·11**	**23·32**	**20·15**	**19·70**	**21·23**	**20·99**	**21·08**	**36·97**	**27·44**	**29·32**	**30·10**	**31·21**	**31·01**	**24·49**	**26·05**
44	1901–1905	42·62	24·62	19·03	18·98	22·16	23·01	21·56	42·64	26·89	30·42	31·93	31·96	32·77	26·26	27·17
	1881–1905	**38·38**	**24·09**	**20·67**	**20·34**	**21·90**	**21·85**	**21·77**	**38·33**	**28·38**	**30·44**	**31·05**	**32·17**	**32·07**	**25·36**	**26·92**
45	1901–1905	43·77	25·42	19·60	19·38	22·73	23·70	22·17	43·97	27·85	31·36	33·05	32·95	33·84	26·94	28·01
	1881–1905	**39·54**	**24·82**	**21·26**	**20·86**	**22·54**	**22·64**	**22·42**	**39·77**	**29·28**	**31·60**	**32·03**	**33·24**	**33·18**	**26·49**	**27·80**

TABLE II.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE AMOUNTS OF **RAINFALL** FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	Principal Grazing Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.	Channel Islands.	Means for Districts 1-10 combined.
		Rainfall—Amounts in Inches.														
46	1901–1905	44·64	25·98	20·42	19·82	23·09	24·01	22·66	44·92	28·60	31·85	33·77	33·97	34·62	27·64	28·64
	1881–1905	**40·65**	**25·48**	**21·79**	**21·41**	**23·10**	**23·28**	**23·01**	**40·89**	**30·03**	**32·47**	**32·92**	**34·24**	**34·11**	**27·17**	**28·56**
47	1901–1905	45·98	26·58	20·99	20·22	23·54	24·44	23·15	46·40	29·54	32·66	35·01	34·79	35·68	28·57	29·42
	1881–1905	**41·85**	**26·08**	**22·24**	**21·87**	**23·56**	**23·86**	**23·52**	**42·17**	**30·81**	**33·34**	**33·89**	**35·13**	**35·07**	**28·09**	**29·30**
48	1901–1905	47·19	27·09	21·54	20·57	24·00	25·01	23·64	47·63	30·35	33·45	35·74	35·43	26·52	29·32	30·08
	1881–1905	**43·14**	**26·61**	**22·78**	**22·38**	**24·06**	**24·43**	**24·05**	**43·28**	**31·65**	**34·23**	**34·65**	**35·96**	**35·95**	**28·89**	**30·00**
49	1901–1905	48·64	27·92	22·12	21·33	24·65	26·11	24·43	49·18	31·21	34·95	36·73	36·49	37·71	30·57	31·07
	1881–1905	**44·67**	**27·52**	**23·45**	**23·03**	**24·71**	**25·28**	**24·80**	**44·82**	**32·62**	**35·57**	**35·65**	**37·06**	**37·14**	**30·12**	**30·97**
50	1901–1905	49·55	28·44	22·65	21·92	25·19	26·68	24·98	50·08	31·79	35·84	37·37	37·22	38·46	31·61	31·74
	1881–1905	**46·06**	**28·08**	**23·91**	**23·52**	**25·29**	**25·86**	**25·33**	**46·07**	**33·43**	**36·67**	**36·52**	**38·07**	**38·15**	**31·07**	**31·74**
51	1901–1905	50·56	29·04	23·02	22·09	25·44	26·89	25·30	51·22	32·36	36·42	38·16	38·05	39·24	31·96	32·27
	1881–1905	**47·04**	**28·58**	**24·29**	**23·81**	**25·66**	**26·25**	**25·72**	**47·08**	**33·98**	**37·45**	**37·30**	**39·05**	**38·97**	**31·68**	**32·35**
52	1901–1905	51·72	29·59	23·28	22·45	25·82	27·29	25·69	52·03	32·78	37·02	38·84	38·71	39·88	32·54	32·79
	1881–1905	**48·19**	**29·15**	**24·65**	**24·22**	**26·19**	**26·82**	**26·21**	**48·26**	**34·67**	**38·47**	**38·12**	**40·12**	**39·93**	**32·48**	**33·07**

TABLE III.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE VALUES FOR **ACCUMULATED HEAT** ABOVE 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.							Principal Grazing Districts.						Channel Islands.	Means for Districts 1-10 combined.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.		
		Accumulated Temperature—Day Degrees above 42° Fahrenheit.														
1	1901–1905	6	8	11	15	16	20	14	13	17	27	18	29	21	43	18
	1881–1905	**5**	**5**	**6**	**9**	**10**	**13**	**9**	**8**	**9**	**16**	**12**	**20**	**13**	**26**	**11**
2	1901–1905	10	12	19	24	25	29	22	19	26	41	24	45	31	65	27
	1881–1905	**10**	**10**	**12**	**15**	**16**	**21**	**15**	**15**	**17**	**29**	**22**	**36**	**24**	**46**	**20**
3	1901–1905	20	17	22	26	28	35	26	27	31	53	37	66	43	90	35
	1881–1905	**18**	**18**	**20**	**21**	**26**	**31**	**23**	**27**	**26**	**45**	**37**	**59**	**39**	**72**	**31**
4	1901–1905	30	27	39	42	45	52	41	44	48	75	54	92	63	124	52
	1881–1905	**26**	**27**	**31**	**32**	**38**	**44**	**34**	**39**	**37**	**63**	**51**	**81**	**54**	**98**	**44**
5	1901–1905	35	36	48	51	54	63	50	52	56	87	64	106	73	148	62
	1881–1905	**32**	**35**	**40**	**41**	**50**	**58**	**45**	**49**	**48**	**79**	**63**	**100**	**68**	**122**	**57**
6	1901–1905	39	44	59	64	67	78	62	63	67	102	77	124	87	170	75
	1881–1905	**38**	**44**	**50**	**52**	**61**	**72**	**56**	**59**	**59**	**96**	**77**	**121**	**82**	**146**	**69**
7	1901–1905	46	53	71	76	81	91	74	73	79	117	90	141	100	192	87
	1881–1905	**45**	**53**	**60**	**64**	**74**	**86**	**67**	**70**	**71**	**113**	**92**	**143**	**98**	**170**	**83**
8	1901–1905	48	54	74	83	86	97	79	78	84	125	100	160	109	209	94
	1881–1905	**53**	**62**	**68**	**75**	**86**	**100**	**78**	**78**	**81**	**130**	**107**	**163**	**112**	**193**	**95**
9	1901–1905	52	57	81	95	101	113	89	86	95	144	113	182	124	235	107
	1881–1905	**57**	**69**	**77**	**87**	**100**	**115**	**90**	**87**	**91**	**146**	**121**	**183**	**126**	**215**	**108**
10	1901–1905	62	69	100	114	123	137	109	102	113	171	130	206	144	264	127
	1881–1905	**65**	**80**	**90**	**103**	**116**	**133**	**104**	**98**	**103**	**164**	**136**	**204**	**141**	**238**	**123**
11	1901–1905	76	87	124	139	149	162	132	123	135	202	154	237	170	300	151
	1881–1905	**75**	**97**	**111**	**128**	**142**	**158**	**127**	**115**	**122**	**190**	**158**	**233**	**164**	**270**	**146**
12	1901–1905	93	109	153	172	181	193	162	145	161	231	178	267	196	339	179
	1881–1905	**92**	**116**	**133**	**156**	**170**	**184**	**152**	**133**	**143**	**216**	**181**	**261**	**187**	**300**	**170**
13	1901–1905	104	125	173	198	206	220	184	161	181	258	196	295	218	374	201
	1881–1905	**103**	**136**	**155**	**186**	**201**	**217**	**179**	**153**	**165**	**246**	**206**	**294**	**213**	**337**	**196**
14	1901–1905	116	147	201	233	241	254	215	183	205	293	222	333	247	420	231
	1881–1905	**123**	**163**	**180**	**220**	**238**	**256**	**211**	**180**	**195**	**283**	**237**	**334**	**246**	**380**	**229**
15	1901–1905	131	165	226	262	272	286	242	208	231	323	248	365	275	463	259
	1881–1905	**143**	**188**	**206**	**256**	**275**	**295**	**244**	**210**	**226**	**320**	**270**	**373**	**280**	**423**	**262**

TABLE III.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE VALUES FOR **ACCUMULATED HEAT** ABOVE 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.							Principal Grazing Districts.						Channel Islands	Means for Districts 1–10 combined.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.		
		Accumulated Temperature—Day Degrees above 42° Fahrenheit.														
16	1901–1905	159	197	256	301	313	328	279	241	264	364	281	403	311	507	295
	1881–1905	**170**	**221**	**237**	**296**	**318**	**339**	**282**	**245**	**262**	**362**	**309**	**418**	**319**	**471**	**301**
17	1901–1905	194	239	305	355	368	385	330	287	317	421	325	456	361	572	346
	1881–1905	**201**	**260**	**276**	**345**	**369**	**390**	**328**	**285**	**305**	**411**	**351**	**467**	**364**	**528**	**346**
18	1901–1905	228	278	343	405	415	436	375	331	359	471	367	508	407	633	391
	1881–1905	**233**	**300**	**315**	**396**	**421**	**445**	**375**	**328**	**350**	**461**	**396**	**519**	**411**	**587**	**393**
19	1901–1905	257	313	383	451	460	485	418	372	398	518	408	558	451	691	435
	1881–1905	**273**	**347**	**360**	**454**	**481**	**508**	**430**	**379**	**403**	**521**	**450**	**580**	**467**	**656**	**449**
20	1901–1905	302	364	434	511	523	551	477	431	458	587	465	628	514	767	496
	1881–1905	**315**	**398**	**411**	**518**	**547**	**582**	**491**	**437**	**463**	**590**	**508**	**649**	**529**	**732**	**510**
21	1901–1905	357	424	493	582	597	634	546	500	529	667	535	710	588	855	567
	1881–1905	**367**	**459**	**472**	**594**	**623**	**667**	**563**	**506**	**536**	**668**	**577**	**726**	**603**	**818**	**583**
22	1901–1905	426	501	583	685	695	739	641	586	620	766	613	802	677	956	659
	1881–1905	**425**	**529**	**549**	**684**	**712**	**763**	**647**	**581**	**618**	**757**	**654**	**812**	**684**	**914**	**666**
23	1901–1905	490	568	660	778	782	832	724	669	707	859	697	896	766	1054	745
	1881–1905	**487**	**602**	**628**	**779**	**808**	**867**	**737**	**665**	**709**	**856**	**741**	**909**	**776**	**1017**	**757**
24	1901–1905	546	627	733	862	861	921	801	741	784	943	768	979	843	1149	822
	1881–1905	**554**	**682**	**714**	**875**	**905**	**970**	**829**	**752**	**802**	**956**	**830**	**1007**	**869**	**1123**	**849**
25	1901–1905	621	709	828	968	962	1025	898	831	882	1041	860	1081	939	1257	919
	1881–1905	**629**	**771**	**811**	**985**	**1012**	**1085**	**933**	**847**	**907**	**1064**	**931**	**1115**	**973**	**1237**	**953**
26	1901–1905	716	814	942	1098	1089	1156	1020	945	1007	1168	971	1204	1059	1389	1040
	1881–1905	**716**	**874**	**923**	**1111**	**1137**	**1216**	**1052**	**954**	**1024**	**1185**	**1036**	**1233**	**1086**	**1360**	**1069**
27	1901–1905	803	913	1064	1233	1220	1292	1144	1051	1123	1297	1080	1327	1176	1522	1160
	1881–1905	**801**	**976**	**1039**	**1240**	**1262**	**1348**	**1173**	**1060**	**1139**	**1306**	**1143**	**1351**	**1200**	**1493**	**1187**
28	1901–1905	897	1023	1197	1379	1363	1440	1280	1167	1256	1438	1196	1459	1303	1670	1292
	1881–1905	**890**	**1081**	**1158**	**1373**	**1390**	**1480**	**1296**	**1167**	**1259**	**1431**	**1251**	**1468**	**1315**	**1630**	**1306**
29	1901–1905	991	1135	1326	1522	1504	1589	1415	1285	1387	1577	1312	1593	1431	1821	1423
	1881–1905	**977**	**1185**	**1275**	**1504**	**1517**	**1623**	**1421**	**1273**	**1377**	**1557**	**1359**	**1589**	**1431**	**1767**	**1426**
30	1901–1905	1081	1233	1444	1658	1629	1724	1538	1392	1505	1703	1415	1712	1545	1958	1543
	1881–1905	**1065**	**1286**	**1390**	**1634**	**1641**	**1759**	**1542**	**1379**	**1495**	**1683**	**1466**	**1709**	**1546**	**1903**	**1544**

TABLE III.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE VALUES FOR **ACCUMULATED HEAT** ABOVE 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing Districts.						Channel Islands.	Means for Districts 1-10 combined.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.	
		Accumulated Temperature—Day Degrees above 42° Fahrenheit.													
31	1901–1905	1172	1340	1571	1797	1757	1863	1666	1499	1626	1831	1521	1831	1662	2099	1664
	1881–1905	**1156**	**1393**	**1510**	**1765**	**1768**	**1897**	**1667**	**1488**	**1615**	**1810**	**1577**	**1831**	**1664**	**2042**	**1666**
32	1901–1905	1253	1430	1680	1925	1870	1992	1779	1595	1734	1950	1616	1943	1768	2235	1774
	1881–1905	**1243**	**1493**	**1623**	**1892**	**1888**	**2031**	**1785**	**1592**	**1730**	**1932**	**1683**	**1948**	**1777**	**2180**	**1781**
33	1901–1905	1333	1517	1783	2044	1978	2115	1887	1690	1838	2065	1713	2051	1871	2368	1879
	1881–1905	**1331**	**1592**	**1735**	**2019**	**2008**	**2166**	**1904**	**1695**	**1845**	**2054**	**1789**	**2063**	**1889**	**2318**	**1897**
34	1901–1905	1410	1602	1887	2164	2085	2240	1996	1780	1943	2182	1808	2161	1975	2503	1986
	1881–1905	**1417**	**1690**	**1845**	**2142**	**2124**	**2297**	**2020**	**1795**	**1959**	**2178**	**1892**	**2176**	**2000**	**2455**	**2010**
35	1901–1905	1492	1691	1998	2287	2195	2366	2107	1874	2052	2298	1905	2270	2080	2635	2094
	1881–1905	**1492**	**1775**	**1948**	**2257**	**2230**	**2420**	**2126**	**1885**	**2061**	**2285**	**1986**	**2281**	**2100**	**2585**	**2113**
36	1901–1905	1566	1769	2095	2398	2293	2479	2207	1959	2149	2405	1990	2369	2174	2760	2191
	1881–1905	**1568**	**1860**	**2045**	**2367**	**2332**	**2537**	**2228**	**1974**	**2162**	**2394**	**2078**	**2382**	**2198**	**2712**	**2213**
37	1901–1905	1635	1839	2176	2492	2374	2577	2292	2036	2233	2500	2070	2458	2259	2875	2276
	1881–1905	**1643**	**1943**	**2138**	**2471**	**2430**	**2650**	**2326**	**2060**	**2260**	**2498**	**2170**	**2480**	**2294**	**2836**	**2310**
38	1901–1905	1707	1910	2260	2587	2459	2675	2378	2119	2323	2595	2156	2553	2349	2990	2364
	1881–1905	**1706**	**2012**	**2221**	**2569**	**2518**	**2754**	**2415**	**2137**	**2348**	**2597**	**2251**	**2571**	**2381**	**2955**	**2398**
39	1901–1905	1783	1985	2349	2685	2545	2777	2468	2203	2412	2691	2242	2644	2438	3105	2453
	1881–1905	**1763**	**2074**	**2295**	**2651**	**2593**	**2847**	**2492**	**2206**	**2426**	**2684**	**2323**	**2653**	**2458**	**3064**	**2475**
40	1901–1905	1826	2030	2410	2754	2606	2853	2531	2257	2475	2767	2303	2713	2503	3203	2517
	1881–1905	**1809**	**2125**	**2355**	**2718**	**2653**	**2923**	**2555**	**2262**	**2490**	**2756**	**2383**	**2720**	**2522**	**3159**	**2539**
41	1901–1905	1863	2072	2457	2809	2656	2917	2582	2503	2526	2833	2351	2775	2598	3293	2590
	1881–1905	**1846**	**2167**	**2404**	**2776**	**2706**	**2988**	**2608**	**2349**	**2543**	**2819**	**2430**	**2777**	**2584**	**3244**	**2596**
42	1901–1905	1897	2107	2503	2864	2704	2980	2632	2345	2579	2896	2396	2832	2610	3370	2621
	1881–1905	**1881**	**2205**	**2448**	**2827**	**2753**	**3047**	**2656**	**2352**	**2592**	**2877**	**2476**	**2833**	**2626**	**3322**	**2641**
43	1901–1905	1931	2140	2542	2908	2742	3028	2672	2385	2621	2941	2435	2880	2652	3442	2662
	1881–1905	**1910**	**2235**	**2484**	**2869**	**2791**	**3097**	**2695**	**2388**	**2632**	**2928**	**2515**	**2880**	**2669**	**3392**	**2682**
44	1901–1905	1962	2175	2586	2952	2781	3073	2713	2425	2664	2989	2478	2932	2698	3510	2706
	1881–1905	**1935**	**2263**	**2520**	**2910**	**2829**	**3145**	**2733**	**2422**	**2672**	**2976**	**2552**	**2926**	**2710**	**3460**	**2722**
45	1901–1905	1988	2201	2616	2986	2812	3116	2746	2456	2700	3035	2514	2978	2737	3576	2742
	1881–1905	**1959**	**2288**	**2548**	**2943**	**2860**	**3188**	**2765**	**2452**	**2705**	**3020**	**2585**	**2969**	**2746**	**3524**	**2756**

TABLE III.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905: AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE VALUES FOR **ACCUMULATED HEAT** ABOVE 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	Principal Grazing Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.	Channel Islands.	Means for Districts 1-10 combined.
		Accumulated Temperature—Day Degrees above 42° Fahrenheit.														
46	1901–1905	2005	2219	2637	3009	2827	3141	2767	2476	2721	3064	2540	3009	2762	3621	2765
	1881–1905	**1978**	**2306**	**2571**	**2969**	**2883**	**3221**	**2790**	**2474**	**2731**	**3056**	**2610**	**3003**	**2775**	**3537**	**2783**
47	1901–1905	2013	2224	2649	3022	2839	3155	2778	2490	2733	3081	2535	3031	2778	3657	2778
	1881–1905	**1990**	**2318**	**2588**	**2988**	**2900**	**3246**	**2808**	**2492**	**2751**	**3085**	**2630**	**3031**	**2798**	**3622**	**2803**
48	1901–1905	2026	2232	2660	3033	2848	3172	2789	2501	2748	3098	2574	3056	2795	3693	2792
	1881–1905	**2003**	**2329**	**2602**	**3003**	**2915**	**3266**	**2823**	**2509**	**2768**	**3108**	**2650**	**3057**	**2818**	**3661**	**2821**
49	1901–1905	2035	2242	2672	3045	2861	3192	2802	2514	2763	3122	2589	3084	2814	3731	2808
	1881–1905	**2010**	**2336**	**2613**	**3015**	**2928**	**3284**	**2835**	**2523**	**2783**	**3131**	**2664**	**3082**	**2837**	**3697**	**2836**
50	1901–1905	2041	2248	2677	3051	2866	3204	2809	2521	2770	3137	2598	3102	2826	3761	2818
	1881–1905	**2018**	**2344**	**2622**	**3026**	**2939**	**3302**	**2847**	**2535**	**2796**	**3154**	**2678**	**3106**	**2854**	**3732**	**2851**
51	1901–1905	2051	2257	2688	3060	2875	3216	2819	2531	2782	3155	2612	3126	2841	3792	2830
	1881–1905	**2026**	**2348**	**2629**	**3033**	**2948**	**3314**	**2854**	**2545**	**2807**	**3170**	**2690**	**3127**	**2868**	**3760**	**2861**
52	1901–1905	2057	2264	2695	3066	2882	3227	2827	2542	2791	3170	2627	3148	2856	3818	2842
	1881–1905	**2033**	**2357**	**2637**	**3040**	**2956**	**3327**	**2863**	**2556**	**2818**	**3186**	**2703**	**3147**	**2882**	**3788**	**2873**

TABLE IV.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE VALUES FOR **ACCUMULATED HEAT** BELOW 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing Districts.						Channel Islands.	Means for Districts 1-10 combined.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.	
		Accumulated Temperature—Day Degrees below 42° Fahrenheit.													
1	1901–1905	23	31	23	20	22	16	22	16	14	9	14	7	12	1	17
	1881–1905	**37**	**44**	**39**	**44**	**45**	**33**	**41**	**31**	**31**	**24**	**27**	**20**	**27**	**11**	**34**
2	1901–1905	68	77	59	59	67	51	63	48	47	36	44	27	40	13	52
	1881–1905	**77**	**90**	**79**	**91**	**94**	**72**	**85**	**65**	**65**	**52**	**56**	**44**	**56**	**23**	**71**
3	1901–1905	91	113	95	98	112	80	100	72	80	58	61	37	62	17	81
	1881–1905	**108**	**128**	**113**	**130**	**132**	**102**	**121**	**90**	**93**	**74**	**80**	**61**	**80**	**31**	**101**
4	1901–1905	113	140	113	117	132	96	120	84	94	71	73	46	74	20	97
	1881–1905	**139**	**165**	**145**	**165**	**166**	**127**	**154**	**115**	**118**	**91**	**102**	**77**	**101**	**37**	**128**
5	1901–1905	163	190	144	148	164	120	153	117	121	90	100	69	99	25	126
	1881–1905	**177**	**207**	**176**	**199**	**199**	**152**	**187**	**142**	**142**	**110**	**126**	**95**	**123**	**44**	**155**
6	1901–1905	203	232	175	182	197	143	186	146	148	110	122	87	123	35	155
	1881–1905	**216**	**249**	**211**	**237**	**236**	**180**	**223**	**171**	**170**	**132**	**150**	**113**	**147**	**54**	**185**
7	1901–1905	249	282	218	228	242	180	230	185	187	140	156	117	157	49	194
	1881–1905	**257**	**294**	**248**	**278**	**276**	**211**	**261**	**204**	**201**	**157**	**177**	**134**	**175**	**65**	**218**
8	1901–1905	284	323	256	261	279	210	266	215	219	166	182	137	184	63	225
	1881–1905	**289**	**333**	**282**	**314**	**314**	**240**	**297**	**232**	**231**	**180**	**202**	**153**	**200**	**75**	**249**
9	1901–1905	314	362	287	292	310	233	297	241	245	187	203	154	206	71	252
	1881–1905	**325**	**374**	**316**	**351**	**350**	**270**	**332**	**262**	**261**	**204**	**226**	**171**	**225**	**84**	**279**
10	1901–1905	337	389	306	317	335	249	319	260	263	201	225	169	224	73	272
	1881–1905	**361**	**410**	**348**	**385**	**384**	**296**	**365**	**290**	**287**	**227**	**252**	**192**	**250**	**94**	**308**
11	1901–1905	358	415	323	334	352	262	337	271	274	208	237	176	233	76	285
	1881–1905	**389**	**442**	**374**	**414**	**412**	**317**	**392**	**312**	**308**	**244**	**271**	**206**	**268**	**101**	**330**
12	1901–1905	379	436	336	348	367	271	352	287	287	217	251	187	246	79	299
	1881–1905	**419**	**472**	**398**	**440**	**439**	**338**	**417**	**334**	**329**	**261**	**289**	**222**	**287**	**107**	**352**
13	1901–1905	418	474	365	371	392	288	378	315	309	233	274	202	267	86	323
	1881–1905	**449**	**502**	**422**	**464**	**465**	**355**	**442**	**357**	**348**	**276**	**310**	**237**	**306**	**111**	**374**
14	1901–1905	446	502	385	385	405	294	394	333	322	237	287	205	277	86	336
	1881–1905	**472**	**528**	**441**	**484**	**486**	**365**	**461**	**375**	**363**	**285**	**323**	**246**	**318**	**112**	**390**
15	1901–1905	476	532	405	400	428	307	414	355	339	250	304	219	293	87	354
	1881–1905	**495**	**549**	**457**	**499**	**503**	**376**	**477**	**390**	**375**	**293**	**335**	**254**	**329**	**113**	**403**

TABLE IV.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE VALUES FOR **ACCUMULATED HEAT** BELOW 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing Districts.						Channel Islands.	Means for Districts 1-10 combined.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.		
		Accumulated Temperature—Day Degrees below 42° Fahrenheit.														
16	1901–1905	494	555	422	416	446	317	431	375	352	260	315	226	306	89	369
	1881–1905	**512**	**566**	**469**	**511**	**517**	**383**	**489**	**402**	**384**	**299**	**342**	**259**	**337**	**114**	**413**
17	1901–1905	502	562	424	416	446	317	433	377	352	260	315	226	306	89	370
	1881–1905	**523**	**578**	**476**	**518**	**525**	**386**	**497**	**407**	**388**	**301**	**347**	**262**	**341**	**114**	**419**
18	1901–1905	510	572	428	420	453	319	438	382	354	261	319	227	309	89	374
	1881–1905	**533**	**587**	**481**	**524**	**531**	**388**	**502**	**412**	**391**	**303**	**350**	**263**	**344**	**114**	**423**
19	1901–1905	521	583	433	426	461	323	445	387	357	264	321	229	312	89	379
	1881–1905	**541**	**594**	**484**	**528**	**536**	**390**	**506**	**416**	**392**	**304**	**352**	**264**	**346**	**114**	**426**
20	1901–1905	527	591	437	430	466	324	450	391	358	265	321	229	313	89	382
	1881–1905	**547**	**600**	**487**	**531**	**540**	**391**	**510**	**419**	**394**	**306**	**354**	**265**	**348**	**114**	**429**
21	1901–1905	531	594	437	430	467	325	451	392	358	266	321	229	313	89	382
	1881–1905	**550**	**603**	**488**	**532**	**542**	**391**	**511**	**420**	**394**	**306**	**354**	**265**	**348**	**114**	**430**
22	1901–1905	531	594	437	430	467	325	451	392	358	266	321	229	313	89	382
	1881–1905	**551**	**604**	**489**	**532**	**543**	**391**	**512**	**420**	**394**	**306**	**354**	**265**	**348**	**114**	**430**
23	1901–1905	531	594	437	430	467	325	451	392	358	266	321	229	313	89	382
	1881–1905	**552**	**605**	**489**	**532**	**543**	**391**	**512**	**420**	**394**	**306**	**354**	**265**	**348**	**114**	**430**
24	1901–1905	515	595	437	430	467	325	451	392	358	266	321	229	313	89	382
	1881–1905	**553**	**605**	**489**	**532**	**543**	**391**	**512**	**421**	**394**	**306**	**354**	**265**	**348**	**114**	**430**
25	1901–1905	533	595	437	430	467	325	451	392	358	266	321	229	313	89	382
	1881–1905	**553**	**605**	**489**	**532**	**543**	**391**	**512**	**421**	**394**	**306**	**354**	**265**	**348**	**114**	**430**
26	1901–1905	533	595	437	430	467	325	451	392	358	266	321	229	313	89	382
	1881–1905	**553**	**605**	**489**	**532**	**543**	**391**	**512**	**421**	**394**	**306**	**354**	**265**	**348**	**114**	**430**
27	1901–1905	533	595	437	430	467	325	451	392	358	266	321	229	313	89	382
	1881–1905	**553**	**605**	**489**	**532**	**543**	**391**	**512**	**421**	**394**	**306**	**354**	**265**	**348**	**114**	**430**
28	1901–1905	533	595	437	430	467	325	451	392	358	266	321	229	313	89	382
	1881–1905	**553**	**605**	**489**	**532**	**543**	**391**	**512**	**421**	**394**	**306**	**354**	**265**	**348**	**114**	**430**
29	1901–1905	533	595	437	430	467	325	451	392	358	266	321	229	313	89	382
	1881–1905	**553**	**605**	**489**	**532**	**543**	**391**	**512**	**421**	**394**	**306**	**354**	**265**	**348**	**114**	**430**
30	1901–1905	533	595	437	430	467	325	451	392	358	266	321	229	313	89	382
	1881–1905	**553**	**605**	**489**	**532**	**543**	**391**	**512**	**421**	**394**	**306**	**354**	**265**	**348**	**114**	**430**

TABLE IV.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE VALUES FOR **ACCUMULATED HEAT** BELOW 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	Principal Grazing Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.	Channel Islands.	Means for Districts 1-10 combined.
		Accumulated Temperature—Day Degrees below 42° Fahrenheit.														
31	1901–1905	533	595	437	430	467	325	451	392	358	266	321	229	313	89	382
	1881–1905	**553**	**605**	**489**	**532**	**543**	**391**	**512**	**421**	**394**	**306**	**354**	**265**	**348**	**114**	**430**
32	1901–1905	533	595	437	430	467	325	451	392	358	266	321	229	313	89	382
	1881–1905	**553**	**605**	**489**	**532**	**543**	**391**	**512**	**421**	**394**	**306**	**354**	**265**	**348**	**114**	**430**
33	1901–1905	533	595	437	430	467	325	451	392	358	266	321	229	313	89	382
	1881–1905	**553**	**605**	**489**	**532**	**543**	**391**	**512**	**421**	**394**	**306**	**354**	**265**	**348**	**114**	**430**
34	1901–1905	533	595	437	430	467	325	451	392	358	266	321	229	313	89	382
	1881–1905	**553**	**605**	**489**	**532**	**543**	**391**	**512**	**421**	**394**	**306**	**354**	**265**	**348**	**114**	**430**
35	1901–1905	533	595	437	430	467	325	451	392	358	266	321	229	313	89	382
	1881–1905	**553**	**605**	**489**	**532**	**543**	**391**	**512**	**421**	**394**	**306**	**354**	**265**	**348**	**114**	**430**
36	1901–1905	533	595	437	430	467	325	451	392	358	266	321	229	313	89	382
	1881–1905	**553**	**606**	**489**	**532**	**543**	**391**	**512**	**421**	**394**	**306**	**354**	**265**	**348**	**114**	**430**
37	1901–1905	533	597	437	430	469	325	452	393	359	266	321	229	314	89	383
	1881–1905	**553**	**606**	**489**	**532**	**543**	**391**	**512**	**421**	**395**	**306**	**354**	**265**	**348**	**114**	**430**
38	1901–1905	533	597	437	430	469	325	452	393	359	266	321	229	314	89	383
	1881–1905	**554**	**606**	**489**	**533**	**544**	**391**	**513**	**421**	**395**	**306**	**354**	**265**	**348**	**114**	**431**
39	1901–1905	533	597	437	430	469	325	452	393	359	266	321	229	314	89	383
	1881–1905	**555**	**608**	**489**	**533**	**545**	**391**	**513**	**421**	**395**	**306**	**355**	**265**	**348**	**114**	**431**
40	1901–1905	537	599	438	430	469	325	452	394	359	266	321	229	314	89	383
	1881–1905	**558**	**610**	**490**	**535**	**548**	**393**	**515**	**422**	**395**	**307**	**355**	**266**	**349**	**114**	**432**
41	1901–1905	344	607	440	430	471	325	455	396	359	266	322	229	314	89	385
	1881–1905	**564**	**617**	**493**	**538**	**554**	**396**	**520**	**426**	**396**	**308**	**357**	**268**	**351**	**114**	**436**
42	1901–1905	554	618	447	437	479	332	463	405	366	272	329	237	322	89	393
	1881–1905	**572**	**626**	**497**	**543**	**561**	**399**	**525**	**432**	**399**	**311**	**361**	**272**	**355**	**114**	**440**
43	1901–1905	561	631	454	447	492	340	473	412	370	282	335	244	329	89	401
	1881–1905	**585**	**642**	**505**	**552**	**572**	**405**	**535**	**442**	**404**	**316**	**369**	**278**	**362**	**114**	**449**
44	1901–1905	565	638	457	449	498	340	476	415	373	283	338	247	331	89	404
	1881–1905	**595**	**654**	**512**	**558**	**581**	**408**	**543**	**448**	**409**	**319**	**374**	**282**	**366**	**114**	**455**
45	1901–1905	576	655	468	460	491	349	485	420	378	292	340	251	336	89	411
	1881–1905	**607**	**670**	**521**	**569**	**589**	**415**	**553**	**456**	**416**	**324**	**383**	**289**	**374**	**114**	**464**

TABLE IV.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE VALUES FOR **ACCUMULATED HEAT** BELOW 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing Districts.						Channel Islands.	Means for Districts 1-10 combined.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.		
		Accumulated Temperature—Day Degrees below 42° Fahrenheit.														
46	1901–1905	594	677	485	476	534	364	507	436	393	304	352	263	350	89	429
	1881–1905	**622**	**692**	**535**	**585**	**613**	**425**	**570**	**469**	**426**	**332**	**394**	**298**	**384**	**115**	**477**
47	1901–1905	628	717	511	507	569	391	539	462	417	327	368	278	370	93	455
	1881–1905	**645**	**720**	**553**	**606**	**636**	**439**	**591**	**486**	**440**	**343**	**409**	**311**	**398**	**116**	**495**
48	1901–1905	625	751	539	532	604	412	568	484	436	349	383	296	390	96	479
	1881–1905	**663**	**748**	**573**	**630**	**663**	**456**	**614**	**502**	**454**	**356**	**423**	**324**	**412**	**118**	**513**
49	1901–1905	679	781	561	558	632	425	591	499	452	362	398	307	404	97	498
	1881–1905	**700**	**784**	**600**	**660**	**693**	**478**	**643**	**523**	**474**	**372**	**445**	**339**	**431**	**122**	**537**
50	1901–1905	713	823	590	589	666	447	623	526	474	379	419	321	424	103	524
	1881–1905	**729**	**822**	**630**	**693**	**728**	**504**	**675**	**547**	**498**	**386**	**467**	**354**	**450**	**126**	**563**
51	1901–1905	738	853	620	623	702	468	653	546	501	395	434	333	442	107	548
	1881–1905	**759**	**860**	**664**	**732**	**767**	**527**	**710**	**571**	**526**	**404**	**488**	**371**	**472**	**131**	**591**
52	1901–1905	769	892	652	656	740	496	687	574	533	416	452	346	464	113	576
	1881–1905	**789**	**900**	**699**	**772**	**809**	**557**	**747**	**598**	**555**	**426**	**511**	**388**	**496**	**137**	**622**

TABLE V.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE NUMBERS OF HOURS OF **BRIGHT SUNSHINE** FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing Districts.						Channel Islands.	Means for Districts 1-10 combined.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.		
		Bright Sunshine—Numbers of Hours.														
1	1901–1905	3	6	6	9	6	8	7	5	6	9	7	8	7	10	7
	1881–1905	**5**	**7**	**7**	**10**	**9**	**10**	**9**	**7**	**7**	**12**	**9**	**11**	**9**	**14**	**9**
2	1901–1905	9	14	15	24	17	22	18	12	18	21	15	19	17	24	18
	1881–1905	**11**	**15**	**14**	**20**	**17**	**20**	**17**	**15**	**15**	**23**	**18**	**23**	**19**	**28**	**18**
3	1901–1905	15	21	23	37	26	34	28	19	27	33	25	28	26	38	27
	1881–1905	**17**	**25**	**22**	**29**	**26**	**30**	**26**	**23**	**24**	**35**	**27**	**34**	**29**	**42**	**28**
4	1901–1905	20	30	32	51	36	48	39	25	36	43	31	37	34	53	37
	1881–1905	**23**	**37**	**33**	**45**	**38**	**43**	**39**	**32**	**34**	**47**	**39**	**47**	**40**	**58**	**40**
5	1901–1905	28	40	46	73	52	68	56	37	50	60	44	52	49	72	53
	1881–1905	**31**	**50**	**45**	**61**	**51**	**57**	**53**	**43**	**45**	**63**	**50**	**61**	**52**	**75**	**53**
6	1901–1905	39	53	60	85	61	79	68	50	60	71	53	66	60	84	64
	1881–1905	**42**	**66**	**60**	**78**	**66**	**71**	**68**	**58**	**58**	**79**	**64**	**76**	**67**	**94**	**68**
7	1901–1905	54	75	81	109	80	102	89	68	80	96	68	83	79	107	84
	1881–1905	**57**	**85**	**77**	**97**	**83**	**90**	**86**	**72**	**75**	**99**	**82**	**95**	**85**	**117**	**86**
8	1901–1905	66	86	93	126	92	120	103	80	95	114	84	101	95	126	99
	1881–1905	**73**	**103**	**93**	**117**	**100**	**110**	**105**	**86**	**93**	**121**	**99**	**114**	**103**	**141**	**104**
9	1901–1905	80	100	104	141	104	136	117	95	113	133	103	122	113	147	115
	1881–1905	**91**	**121**	**111**	**138**	**118**	**131**	**124**	**104**	**112**	**144**	**116**	**136**	**122**	**168**	**123**
10	1901–1905	93	118	123	162	121	159	137	114	132	158	124	146	135	181	136
	1881–1905	**109**	**142**	**132**	**161**	**139**	**154**	**146**	**125**	**132**	**169**	**137**	**162**	**145**	**196**	**146**
11	1901–1905	112	137	144	188	141	185	159	131	149	179	142	164	153	207	156
	1881–1905	**130**	**166**	**158**	**189**	**163**	**181**	**171**	**149**	**155**	**198**	**159**	**185**	**169**	**232**	**170**
12	1901–1905	133	159	172	218	163	212	185	158	178	206	169	192	181	237	183
	1881–1905	**152**	**194**	**186**	**219**	**191**	**211**	**200**	**176**	**182**	**231**	**185**	**215**	**198**	**266**	**199**
13	1901–1905	162	189	205	250	195	243	216	190	211	236	199	223	212	270	214
	1881–1905	**181**	**222**	**214**	**252**	**220**	**244**	**230**	**207**	**212**	**266**	**214**	**249**	**230**	**306**	**230**
14	1901–1905	192	230	246	282	226	272	251	227	244	264	229	252	243	300	247
	1881–1905	**213**	**256**	**249**	**290**	**255**	**280**	**266**	**243**	**248**	**304**	**246**	**285**	**265**	**349**	**266**
15	1901–1905	223	261	280	318	260	310	286	264	286	302	270	290	282	343	284
	1881–1905	**244**	**288**	**280**	**324**	**286**	**314**	**298**	**278**	**281**	**343**	**280**	**322**	**301**	**392**	**300**

TABLE V.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE NUMBERS OF HOURS OF **BRIGHT SUNSHINE** FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.		Principal Wheat-producing Districts.						Principal Grazing Districts.						Channel Island	Means for Districts 1-10 combined.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.		
		Bright Sunshine—Numbers of Hours.														
16	1901–1905	260	294	318	360	298	353	325	305	331	349	306	330	324	394	325
	1881–1905	**280**	**321**	**311**	**362**	**320**	**352**	**333**	**315**	**319**	**385**	**314**	**359**	**338**	**437**	**336**
17	1901–1905	294	328	356	404	336	394	364	338	367	384	340	362	358	435	361
	1881–1905	**313**	**356**	**343**	**400**	**355**	**390**	**369**	**349**	**353**	**426**	**348**	**395**	**374**	**482**	**372**
18	1901–1905	326	359	391	446	370	438	401	375	405	426	379	404	398	482	400
	1881–1905	**348**	**392**	**381**	**444**	**394**	**435**	**409**	**389**	**393**	**470**	**384**	**436**	**414**	**535**	**412**
19	1901–1905	359	391	423	483	401	477	435	413	446	474	418	445	439	537	437
	1881–1905	**386**	**433**	**421**	**490**	**437**	**482**	**453**	**432**	**437**	**522**	**426**	**480**	**459**	**596**	**456**
20	1901–1905	404	441	472	537	452	534	487	466	505	532	472	503	496	592	492
	1881–1905	**429**	**477**	**462**	**536**	**480**	**531**	**497**	**478**	**484**	**573**	**471**	**529**	**507**	**651**	**502**
21	1901–1905	446	481	514	586	497	588	533	511	555	588	521	559	547	655	540
	1881–1905	**468**	**518**	**503**	**583**	**521**	**577**	**540**	**524**	**529**	**622**	**516**	**576**	**553**	**706**	**547**
22	1901–1905	488	527	557	634	541	638	579	558	604	639	561	603	593	712	586
	1881–1905	**507**	**563**	**544**	**635**	**566**	**629**	**587**	**571**	**577**	**675**	**561**	**623**	**601**	**766**	**594**
23	1901–1905	533	564	595	673	578	676	617	613	656	682	609	650	642	755	630
	1881–1905	**549**	**604**	**581**	**681**	**609**	**675**	**630**	**618**	**625**	**725**	**602**	**669**	**648**	**817**	**639**
24	1901–1905	573	609	637	713	610	716	657	655	696	716	643	683	679	800	668
	1881–1905	**589**	**646**	**622**	**728**	**652**	**724**	**674**	**664**	**674**	**778**	**643**	**712**	**694**	**877**	**684**
25	1901–1905	603	644	675	765	647	767	700	688	732	754	670	713	711	852	706
	1881–1905	**624**	**686**	**660**	**771**	**692**	**769**	**716**	**707**	**715**	**825**	**683**	**754**	**737**	**930**	**727**
26	1901–1905	640	695	732	836	712	839	763	743	797	820	717	761	768	926	766
	1881–1905	**658**	**732**	**703**	**827**	**740**	**825**	**765**	**749**	**761**	**879**	**717**	**793**	**780**	**992**	**773**
27	1901–1905	674	730	780	889	763	894	811	785	847	871	757	802	812	982	812
	1881–1905	**688**	**768**	**746**	**877**	**788**	**877**	**811**	**783**	**805**	**931**	**743**	**831**	**819**	**1051**	**815**
28	1901–1905	705	766	825	947	811	958	861	825	894	921	786	837	853	1045	857
	1881–1905	**720**	**806**	**787**	**927**	**832**	**929**	**856**	**831**	**849**	**981**	**784**	**869**	**863**	**1110**	**860**
29	1901–1905	738	804	872	1009	863	1022	914	867	944	981	817	874	897	1111	906
	1881–1905	**748**	**842**	**825**	**975**	**873**	**977**	**898**	**869**	**888**	**1026**	**813**	**901**	**899**	**1162**	**899**
30	1901–1905	765	827	895	1041	887	1054	941	900	974	1008	844	900	925	1149	933
	1881–1905	**777**	**874**	**858**	**1016**	**909**	**1020**	**935**	**905**	**924**	**1067**	**843**	**935**	**935**	**1209**	**935**

TABLE V.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE NUMBERS OF HOURS OF **BRIGHT SUNSHINE** FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing Districts.						Channel Islands.	Means for Districts 1-10 combined.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.	
		Bright Sunshine—Numbers of Hours.													
31	1901-1905	791	868	945	1096	932	1108	990	940	1019	1060	874	935	966	1208	978
	1881-1905	**803**	**911**	**896**	**1062**	**950**	**1067**	**977**	**944**	**965**	**1115**	**873**	**969**	**973**	**1270**	**975**
32	1901-1905	814	896	979	1139	971	1153	1028	974	1055	1103	895	969	999	1255	1014
	1881-1905	**828**	**943**	**929**	**1103**	**987**	**1110**	**1014**	**978**	**999**	**1159**	**902**	**1005**	**1009**	**1326**	**1012**
33	1901-1905	846	934	1019	1186	1010	1198	1069	1017	1097	1147	929	1006	1039	1307	1054
	1881-1905	**857**	**977**	**963**	**1147**	**1028**	**1157**	**1054**	**1015**	**1036**	**1206**	**934**	**1042**	**1047**	**1382**	**1051**
34	1901-1905	877	971	1054	1231	1046	1246	1110	1055	1138	1189	963	1047	1078	1358	1094
	1881-1905	**885**	**1012**	**996**	**1188**	**1065**	**1202**	**1093**	**1050**	**1072**	**1250**	**964**	**1077**	**1083**	**1433**	**1088**
35	1901-1905	901	1003	1090	1269	1080	1285	1145	1091	1174	1226	996	1078	1113	1402	1129
	1881-1905	**908**	**1041**	**1024**	**1226**	**1097**	**1240**	**1126**	**1078**	**1099**	**1288**	**988**	**1105**	**1112**	**1477**	**1119**
36	1901-1905	928	1032	1124	1308	1115	1324	1181	1125	1210	1261	1027	1110	1147	1440	1164
	1881-1905	**936**	**1073**	**1055**	**1263**	**1131**	**1278**	**1160**	**1113**	**1133**	**1327**	**1019**	**1140**	**1146**	**1521**	**1153**
37	1901-1905	959	1063	1162	1348	1151	1362	1217	1158	1248	1299	1056	1142	1181	1484	1199
	1881-1905	**962**	**1102**	**1087**	**1301**	**1165**	**1318**	**1195**	**1145**	**1166**	**1367**	**1042**	**1173**	**1179**	**1569**	**1187**
38	1901-1905	992	1091	1191	1385	1181	1397	1249	1189	1281	1337	1088	1175	1214	1525	1232
	1881-1905	**985**	**1129**	**1114**	**1335**	**1194**	**1352**	**1225**	**1172**	**1195**	**1401**	**1072**	**1204**	**1209**	**1612**	**1217**
39	1901-1905	1012	1111	1217	1417	1205	1428	1276	1215	1308	1368	1111	1199	1240	1560	1258
	1881-1905	**1009**	**1151**	**1139**	**1367**	**1222**	**1385**	**1253**	**1196**	**1221**	**1431**	**1096**	**1232**	**1235**	**1647**	**1244**
40	1901-1905	1034	1131	1239	1442	1235	1450	1297	1237	1330	1391	1131	1224	1263	1586	1280
	1881-1905	**1026**	**1174**	**1162**	**1393**	**1245**	**1410**	**1277**	**1219**	**1242**	**1460**	**1117**	**1259**	**1259**	**1677**	**1268**
41	1901-1905	1047	1152	1258	1464	1243	1473	1318	1256	1348	1409	1147	1242	1280	1609	1299
	1881-1905	**1043**	**1198**	**1183**	**1418**	**1268**	**1436**	**1301**	**1238**	**1262**	**1484**	**1136**	**1283**	**1281**	**1707**	**1291**
42	1901-1905	1064	1174	1278	1486	1262	1494	1339	1276	1368	1433	1172	1266	1303	1633	1321
	1881-1905	**1060**	**1214**	**1202**	**1442**	**1289**	**1460**	**1321**	**1257**	**1281**	**1509**	**1158**	**1306**	**1302**	**1736**	**1312**
43	1901-1905	1079	1193	1259	1509	1282	1521	1353	1293	1390	1460	1192	1289	1325	1662	1339
	1881-1905	**1079**	**1232**	**1212**	**1462**	**1307**	**1481**	**1339**	**1275**	**1299**	**1530**	**1178**	**1326**	**1322**	**1760**	**1331**
44	1901-1905	1092	1206	1315	1530	1296	1540	1377	1307	1406	1478	1205	1305	1340	1682	1359
	1881-1905	**1090**	**1246**	**1233**	**1481**	**1322**	**1500**	**1356**	**1290**	**1313**	**1548**	**1195**	**1345**	**1338**	**1781**	**1347**
45	1901-1905	1101	1221	1328	1545	1307	1556	1391	1316	1419	1495	1215	1316	1352	1705	1372
	1881-1905	**1101**	**1260**	**1246**	**1499**	**1335**	**1515**	**1371**	**1301**	**1325**	**1563**	**1208**	**1361**	**1352**	**1799**	**1362**

TABLE V.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN AGGREGATE NUMBERS OF HOURS OF **BRIGHT SUNSHINE** FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	Principal Grazing Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.	Channel Islands.	Means for Districts 1-10 combined.
		Bright Sunshine—Numbers of Hours.														
46	1901–1905	1111	1236	1344	1530	1319	1574	1407	1331	1435	1514	1230	1333	1369	1724	1388
	1881–1905	**1108**	**1271**	**1257**	**1514**	**1348**	**1530**	**1384**	**1312**	**1336**	**1579**	**1223**	**1378**	**1366**	**1817**	**1375**
47	1901–1905	1120	1249	1360	1577	1333	1590	1422	1342	1448	1529	1242	1346	1381	1740	1402
	1881–1905	**1115**	**1282**	**1269**	**1526**	**1359**	**1542**	**1396**	**1322**	**1347**	**1593**	**1235**	**1392**	**1378**	**1832**	**1387**
48	1901–1905	1127	1257	1369	1589	1341	1602	1432	1350	1458	1543	1251	1359	1392	1755	1412
	1881–1905	**1122**	**1290**	**1277**	**1536**	**1368**	**1553**	**1405**	**1331**	**1356**	**1606**	**1245**	**1404**	**1388**	**1846**	**1397**
49	1901–1905	1132	1265	1378	1597	1349	1610	1440	1357	1468	1555	1263	1372	1403	1767	1422
	1881–1905	**1128**	**1298**	**1286**	**1547**	**1377**	**1564**	**1414**	**1338**	**1363**	**1618**	**1255**	**1415**	**1398**	**1859**	**1406**
50	1901–1905	1137	1272	1385	1606	1356	1618	1447	1364	1475	1563	1274	1380	1411	1776	1429
	1881–1905	**1131**	**1305**	**1294**	**1556**	**1385**	**1574**	**1423**	**1345**	**1370**	**1628**	**1263**	**1426**	**1406**	**1871**	**1415**
51	1901–1905	1141	1277	1391	1617	1361	1630	1455	1370	1484	1573	1281	1389	1419	1788	1437
	1881–1905	**1135**	**1311**	**1301**	**1566**	**1393**	**1584**	**1431**	**1351**	**1377**	**1639**	**1271**	**1436**	**1415**	**1884**	**1423**
52	1901–1905	1146	1281	1398	1625	1368	1638	1462	1376	1490	1579	1287	1395	1425	1798	1444
	1881–1905	**1139**	**1317**	**1308**	**1575**	**1400**	**1593**	**1439**	**1356**	**1383**	**1648**	**1278**	**1446**	**1422**	**1897**	**1431**

TABLE VI.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN PERCENTAGES OF THE POSSIBLE AMOUNT OF **BRIGHT SUNSHINE** FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.							Principal Grazing Districts.						Channel Islands.	Means for Districts 1-10 combined
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.		
		Bright Sunshine—Percentages of Possible Duration.														
1	1901–1905	8	12	12	18	11	14	13	10	12	16	14	16	14	18	14
	1881–1905	**11**	**15**	**13**	**18**	**16**	**18**	**16**	**14**	**14**	**21**	**18**	**21**	**18**	**25**	**17**
2	1901–1905	10	14	13	21	17	19	17	12	15	19	14	17	15	21	16
	1881–1905	**12**	**15**	**13**	**18**	**16**	**18**	**16**	**15**	**15**	**21**	**17**	**21**	**18**	**25**	**17**
3	1901–1905	10	14	14	21	17	19	17	12	16	19	16	17	16	21	17
	1881–1905	**12**	**17**	**14**	**17**	**16**	**17**	**16**	**15**	**15**	**20**	**17**	**20**	**17**	**24**	**17**
4	1901–1905	10	14	15	21	16	20	17	12	15	19	14	16	15	22	16
	1881–1905	**12**	**18**	**15**	**20**	**17**	**19**	**18**	**15**	**16**	**20**	**18**	**21**	**18**	**24**	**18**
5	1901–1905	11	15	17	24	19	23	20	14	17	21	16	18	17	23	19
	1881–1905	**13**	**19**	**16**	**21**	**18**	**19**	**19**	**16**	**16**	**21**	**18**	**21**	**18**	**25**	**19**
6	1901–1905	12	16	18	23	18	22	19	15	17	20	15	19	17	22	18
	1881–1905	**14**	**21**	**18**	**22**	**19**	**20**	**20**	**17**	**17**	**22**	**19**	**22**	**19**	**25**	**20**
7	1901–1905	14	19	21	25	20	23	22	17	19	23	17	20	19	23	21
	1881–1905	**15**	**22**	**19**	**23**	**20**	**21**	**21**	**18**	**19**	**23**	**20**	**23**	**21**	**27**	**21**
8	1901–1905	15	19	20	24	20	24	21	17	19	23	17	21	19	23	20
	1881–1905	**16**	**23**	**20**	**24**	**21**	**22**	**22**	**18**	**20**	**24**	**21**	**23**	**21**	**28**	**22**
9	1901–1905	15	19	19	24	19	23	21	17	20	24	19	22	20	25	21
	1881–1905	**18**	**23**	**20**	**24**	**21**	**22**	**22**	**19**	**21**	**25**	**21**	**24**	**22**	**29**	**22**
10	1901–1905	16	19	20	24	19	24	21	18	20	24	20	23	21	26	21
	1881–1905	**19**	**24**	**21**	**25**	**22**	**23**	**23**	**20**	**21**	**26**	**22**	**25**	**23**	**29**	**23**
11	1901–1905	17	20	21	25	20	25	22	18	20	25	20	23	21	27	22
	1881–1905	**20**	**24**	**22**	**26**	**23**	**24**	**24**	**21**	**22**	**27**	**22**	**26**	**24**	**31**	**24**
12	1901–1905	17	20	22	26	21	25	23	20	22	26	21	24	23	28	23
	1881–1905	**20**	**25**	**23**	**27**	**24**	**25**	**25**	**22**	**23**	**28**	**23**	**27**	**25**	**32**	**25**
13	1901–1905	19	22	23	27	22	26	24	22	23	26	23	25	24	29	24
	1881–1905	**22**	**26**	**24**	**28**	**25**	**27**	**26**	**24**	**24**	**29**	**24**	**28**	**26**	**33**	**26**
14	1901–1905	20	24	25	27	23	27	25	23	25	27	23	25	25	29	25
	1881–1905	**23**	**27**	**26**	**29**	**26**	**28**	**27**	**25**	**26**	**30**	**25**	**29**	**27**	**35**	**27**
15	1901–1905	21	25	26	28	25	28	26	25	26	28	25	27	26	31	26
	1881–1905	**24**	**28**	**26**	**30**	**27**	**29**	**28**	**26**	**27**	**31**	**26**	**30**	**28**	**36**	**28**

TABLE VI.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN PERCENTAGES OF THE POSSIBLE AMOUNT OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing Districts.						Channel Islands.	Means for Districts 1-10 combined.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.	
		Bright Sunshine—Percentages of Possible Duration.													
16	1901–1905	23	25	27	30	26	29	27	26	28	29	26	28	27	32	27
	1881–1905	**25**	**28**	**27**	**30**	**27**	**29**	**28**	**27**	**28**	**32**	**27**	**31**	**29**	**37**	**29**
17	1901–1905	24	26	28	31	27	30	28	27	28	30	27	28	28	33	28
	1881–1905	**25**	**29**	**27**	**31**	**28**	**30**	**29**	**28**	**28**	**33**	**27**	**31**	**29**	**37**	**29**
18	1901–1905	24	26	28	31	27	31	29	27	29	31	27	30	29	34	29
	1881–1905	**26**	**29**	**28**	**32**	**29**	**31**	**30**	**28**	**29**	**34**	**28**	**32**	**30**	**38**	**30**
19	1901–1905	25	27	28	31	28	31	29	28	30	32	28	30	30	35	30
	1881–1905	**27**	**30**	**28**	**32**	**30**	**32**	**30**	**29**	**30**	**35**	**29**	**32**	**31**	**40**	**31**
20	1901–1905	26	28	29	33	29	33	30	29	31	33	30	31	31	36	31
	1881–1905	**27**	**30**	**29**	**33**	**30**	**33**	**31**	**30**	**31**	**36**	**30**	**33**	**32**	**41**	**32**
21	1901–1905	26	28	30	33	29	34	31	30	33	34	31	33	32	38	32
	1881–1905	**28**	**31**	**29**	**34**	**31**	**33**	**32**	**31**	**31**	**36**	**30**	**34**	**32**	**41**	**32**
22	1901–1905	27	29	30	34	30	34	31	31	33	35	31	33	33	39	32
	1881–1905	**28**	**31**	**30**	**35**	**31**	**34**	**32**	**31**	**32**	**37**	**31**	**34**	**33**	**42**	**33**
23	1901–1905	27	29	30	34	30	34	31	32	34	35	31	34	33	39	32
	1881–1905	**29**	**32**	**30**	**35**	**32**	**35**	**33**	**32**	**33**	**37**	**31**	**34**	**33**	**42**	**33**
24	1901–1905	28	29	31	34	30	34	32	32	34	35	31	33	33	39	33
	1881–1905	**29**	**32**	**30**	**35**	**32**	**35**	**33**	**32**	**33**	**38**	**31**	**35**	**34**	**43**	**34**
25	1901–1905	28	30	31	34	30	35	32	32	34	35	31	33	33	39	33
	1881–1905	**29**	**32**	**30**	**35**	**32**	**35**	**33**	**32**	**33**	**38**	**31**	**35**	**34**	**43**	**34**
26	1901–1905	28	30	32	36	32	36	33	32	34	36	31	33	33	40	33
	1881–1905	**29**	**32**	**31**	**36**	**33**	**36**	**34**	**33**	**33**	**39**	**31**	**35**	**34**	**44**	**34**
27	1901–1905	28	30	32	36	32	37	33	33	35	36	31	33	34	41	34
	1881–1905	**29**	**32**	**31**	**36**	**33**	**36**	**34**	**33**	**34**	**39**	**31**	**35**	**34**	**44**	**34**
28	1901–1905	28	30	32	37	33	38	34	32	35	37	31	33	34	42	34
	1881–1905	**28**	**32**	**31**	**37**	**33**	**37**	**34**	**33**	**34**	**39**	**31**	**35**	**34**	**45**	**34**
29	1901–1905	27	30	33	38	33	38	34	33	36	38	31	33	34	43	34
	1881–1905	**28**	**32**	**31**	**37**	**33**	**37**	**34**	**33**	**34**	**39**	**31**	**34**	**34**	**45**	**34**
30	1901–1905	27	30	32	37	33	38	34	33	35	37	31	33	34	42	34
	1881–1905	**28**	**32**	**31**	**37**	**33**	**37**	**34**	**33**	**34**	**39**	**31**	**34**	**34**	**45**	**34**

TABLE VI.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN PERCENTAGES OF THE POSSIBLE AMOUNT OF **BRIGHT SUNSHINE** FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.							Principal Grazing Districts.						Channel Islands.	Means for Districts 1-10 combined.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.		
		Bright Sunshine—Percentages of Possible Duration.														
31	1901–1905	27	30	33	38	33	39	35	33	36	37	30	33	34	43	35
	1881–1905	**28**	**32**	**31**	**37**	**34**	**38**	**34**	**33**	**34**	**39**	**31**	**34**	**34**	**45**	**34**
32	1901–1905	27	30	33	38	33	39	35	33	35	38	30	33	34	43	35
	1881–1905	**28**	**32**	**31**	**37**	**34**	**38**	**34**	**33**	**34**	**40**	**30**	**34**	**34**	**46**	**34**
33	1901–1905	27	30	33	38	33	39	35	33	36	38	30	33	34	44	35
	1881–1905	**28**	**32**	**31**	**37**	**34**	**38**	**34**	**33**	**34**	**40**	**30**	**34**	**34**	**46**	**34**
34	1901–1905	27	30	33	38	34	40	35	33	36	38	30	33	34	44	35
	1881–1905	**28**	**32**	**32**	**37**	**34**	**38**	**35**	**33**	**34**	**40**	**30**	**34**	**34**	**46**	**35**
35	1901–1905	27	30	33	38	34	40	35	33	36	38	30	33	34	44	35
	1881–1905	**28**	**32**	**31**	**38**	**34**	**38**	**35**	**33**	**34**	**40**	**30**	**34**	**34**	**46**	**35**
36	1901–1905	27	30	33	38	34	40	35	33	36	38	31	33	34	44	35
	1881–1905	**28**	**32**	**31**	**38**	**34**	**38**	**35**	**33**	**34**	**40**	**30**	**34**	**34**	**46**	**35**
37	1901–1905	27	31	33	39	34	40	35	34	36	38	31	33	34	44	35
	1881–1905	**28**	**32**	**31**	**38**	**34**	**39**	**35**	**33**	**34**	**40**	**30**	**34**	**34**	**47**	**35**
38	1901–1905	28	31	34	39	34	40	36	34	36	39	31	33	35	44	36
	1881–1905	**28**	**32**	**32**	**38**	**34**	**39**	**35**	**33**	**34**	**40**	**30**	**34**	**34**	**47**	**35**
39	1901–1905	27	30	34	39	34	40	35	34	36	38	31	33	34	44	35
	1881–1905	**28**	**32**	**32**	**38**	**34**	**39**	**35**	**33**	**34**	**40**	**30**	**34**	**34**	**47**	**35**
40	1901–1905	28	30	33	39	34	39	35	33	36	38	31	33	34	44	35
	1881–1905	**28**	**32**	**32**	**38**	**34**	**38**	**35**	**33**	**34**	**40**	**30**	**34**	**34**	**47**	**35**
41	1901–1905	27	30	33	38	34	39	35	33	36	38	30	33	34	43	35
	1881–1905	**28**	**32**	**31**	**38**	**34**	**38**	**35**	**33**	**34**	**40**	**30**	**34**	**34**	**46**	**35**
42	1901–1905	27	30	33	38	34	39	35	33	36	38	31	33	34	43	35
	1881–1905	**27**	**32**	**31**	**38**	**34**	**38**	**35**	**33**	**34**	**40**	**30**	**34**	**34**	**46**	**35**
43	1901–1905	27	30	33	38	33	39	35	33	36	38	31	33	34	43	35
	1881–1905	**28**	**32**	**31**	**37**	**34**	**38**	**34**	**33**	**34**	**40**	**30**	**34**	**34**	**46**	**34**
44	1901–1905	27	30	33	38	33	39	35	33	35	38	30	33	34	43	35
	1881–1905	**27**	**31**	**31**	**37**	**34**	**38**	**34**	**32**	**33**	**39**	**30**	**34**	**34**	**46**	**34**
45	1901–1905	27	30	33	38	33	38	34	32	35	37	30	33	33	43	34
	1881–1905	**27**	**31**	**31**	**37**	**34**	**38**	**34**	**32**	**33**	**39**	**30**	**34**	**34**	**45**	**34**

TABLE VI.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, THE MEAN PERCENTAGES OF THE POSSIBLE AMOUNT OF **BRIGHT SUNSHINE** FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	Principal Grazing Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.	Channel Islands.	Means for Districts 1-10 combined.
		Bright Sunshine—Percentages of Possible Duration.														
46	1901–1905	27	30	33	37	33	38	34	32	35	37	30	33	33	43	34
	1881–1905	**27**	**31**	**31**	**37**	**33**	**37**	**34**	**32**	**33**	**39**	**30**	**34**	**34**	**45**	**34**
47	1901–1905	27	30	33	37	33	38	34	32	35	37	30	33	33	43	34
	1881–1905	**27**	**31**	**31**	**37**	**33**	**37**	**34**	**32**	**33**	**39**	**30**	**34**	**34**	**45**	**34**
48	1901–1905	27	30	33	37	33	38	34	32	35	37	30	32	33	42	34
	1881–1905	**27**	**31**	**30**	**36**	**33**	**37**	**33**	**32**	**32**	**38**	**30**	**33**	**33**	**45**	**33**
49	1901–1905	26	30	32	37	32	38	34	32	34	37	30	32	33	42	34
	1881–1905	**27**	**31**	**30**	**36**	**33**	**37**	**33**	**31**	**32**	**38**	**30**	**33**	**33**	**44**	**33**
50	1901–1905	26	30	32	36	32	37	33	31	34	36	30	32	33	42	33
	1881–1905	**26**	**31**	**30**	**36**	**33**	**36**	**33**	**31**	**32**	**38**	**29**	**33**	**33**	**44**	**33**
51	1901–1905	26	29	32	36	32	37	33	31	34	36	29	32	32	41	33
	1881–1905	**26**	**30**	**30**	**36**	**32**	**36**	**33**	**31**	**32**	**38**	**29**	**33**	**33**	**44**	**33**
52	1901–1905	26	29	32	36	32	37	33	31	34	36	29	32	32	41	33
	1881–1905	**26**	**30**	**30**	**35**	**32**	**36**	**33**	**31**	**32**	**37**	**29**	**33**	**32**	**44**	**33**

WEEKLY WEATHER REPORT, 1905.

SUPPLIED FOR THE PUBLIC SERVICE

Twenty-eighth Year.
Vol. XXII. [*New Series.*] } APPENDIX IV.] *Price 9d.*

TABLE SHOWING THE **MEAN TEMPERATURE** OF THE AIR FOR EACH WEEK IN THE YEAR, FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, EXPRESSED IN DEGREES FAHRENHEIT.

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing Districts.						Channel Islands.	Means for Districts 1-10 combined.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.		
		Mean Weekly Temperature.														
1	1901-1905	39·5	39·0	40·7	41·4	41·1	43·0	41·0	42·0	42·4	44·5	42·6	44·7	43·2	47·6	42·1
	1881-1905	**37·8**	**36·6**	**37·5**	**37·1**	**37·0**	**39·0**	**37·4**	**38·9**	**39·0**	**40·9**	**39·9**	**41·7**	**40·1**	**44·4**	**38·8**
2	1901-1905	37·2	36·1	38·2	38·1	37·2	38·9	37·7	38·6	38·6	40·0	39·0	41·1	39·5	43·5	38·6
	1881-1905	**37·4**	**36·2**	**37·1**	**36·2**	**36·0**	**37·8**	**36·7**	**38·5**	**38·2**	**39·8**	**39·4**	**40·9**	**39·4**	**43·2**	**38·1**
3	1901-1905	40·2	38·0	37·7	37·2	36·5	39·0	37·7	39·9	38·6	40·9	41·6	43·4	40·9	44·8	39·3
	1881-1905	**38·8**	**38·1**	**38·5**	**37·5**	**37·9**	**39·3**	**38·3**	**40·1**	**39·7**	**41·4**	**40·8**	**42·8**	**41·0**	**44·0**	**39·7**
4	1901-1905	40·8	40·4	41·8	41·2	41·3	42·2	41·4	42·7	42·5	43·2	42·9	44·5	43·2	46·3	42·3
	1881-1905	**39·0**	**38·3**	**39·2**	**38·9**	**39·0**	**40·4**	**39·2**	**40·3**	**40·2**	**41·9**	**41·1**	**42·8**	**41·3**	**44·8**	**40·3**
5	1901-1905	35·6	35·8	38·5	38·8	38·4	40·1	38·3	38·2	39·2	41·1	39·5	40·9	39·8	44·2	39·1
	1881-1905	**37·5**	**37·5**	**39·0**	**38·9**	**39·1**	**40·5**	**39·0**	**39·4**	**39·9**	**41·6**	**40·3**	**42·1**	**40·7**	**44·5**	**39·9**
6	1901-1905	37·1	37·2	39·3	39·3	39·0	40·6	39·1	39·3	39·7	41·2	40·8	42·0	40·6	44·1	39·9
	1881-1905	**37·5**	**37·4**	**38·5**	**38·4**	**38·6**	**39·9**	**38·6**	**39·2**	**39·6**	**41·2**	**40·6**	**42·4**	**40·6**	**43·9**	**39·6**
7	1901-1905	36·3	36·2	37·3	36·9	37·2	38·4	37·2	37·9	38·0	39·8	38·9	40·4	39·0	43·0	38·1
	1881-1905	**37·2**	**37·1**	**38·2**	**37·8**	**38·1**	**39·6**	**38·2**	**38·9**	**39·2**	**40·9**	**40·2**	**41·8**	**40·2**	**43·9**	**39·2**
8	1901-1905	37·6	36·4	37·4	38·1	37·2	38·5	37·5	38·6	37·9	39·6	40·1	41·6	39·6	42·9	38·6
	1881-1905	**38·5**	**37·7**	**38·6**	**38·5**	**38·4**	**39·8**	**38·6**	**39·5**	**39·4**	**40·9**	**40·9**	**42·3**	**40·6**	**44·0**	**39·6**
9	1901-1905	38·3	37·0	38·9	39·4	39·5	40·7	39·1	39·7	39·9	41·6	41·0	42·6	41·0	44·4	40·1
	1881-1905	**37·7**	**37·2**	**38·4**	**38·4**	**38·7**	**39·8**	**38·5**	**38·9**	**39·2**	**40·9**	**40·5**	**42·3**	**40·4**	**43·6**	**39·5**
10	1901-1905	40·3	40·0	41·5	41·5	41·5	42·7	41·4	41·6	41·6	43·5	41·7	42·9	42·3	45·8	41·9
	1881-1905	**37·8**	**38·3**	**39·2**	**39·4**	**39·3**	**40·5**	**39·3**	**39·8**	**39·8**	**41·1**	**40·6**	**42·0**	**40·7**	**43·9**	**40·0**
11	1901-1905	41·2	41·2	42·9	43·0	43·3	43·8	42·8	43·0	43·4	44·9	43·4	44·9	43·9	46·5	43·4
	1881-1905	**39·5**	**39·9**	**41·0**	**41·2**	**41·5**	**42·4**	**41·2**	**41·2**	**41·6**	**43·0**	**42·2**	**43·9**	**42·4**	**45·5**	**41·8**
12	1901-1905	41·3	41·7	43·6	44·3	43·9	44·9	43·7	42·6	43·6	44·6	42·9	44·4	43·6	47·2	43·7
	1881-1905	**39·5**	**40·3**	**41·4**	**41·7**	**41·6**	**42·6**	**41·5**	**41·4**	**41·8**	**43·0**	**42·3**	**43·5**	**42·4**	**45·4**	**42·0**
13	1901-1905	38·1	38·5	40·8	42·2	41·6	42·9	41·2	40·2	41·6	43·1	41·3	43·7	42·0	46·0	41·6
	1881-1905	**39·7**	**40·2**	**41·5**	**42·7**	**42·6**	**44·0**	**42·2**	**41·5**	**42·4**	**44·1**	**42·7**	**44·5**	**43·0**	**46·6**	**42·6**

375 Wt 65 5/1906 D & S 23 24318

TABLE SHOWING THE **MEAN TEMPERATURE** OF THE AIR FOR EACH WEEK IN THE YEAR, FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, EXPRESSED IN DEGREES FAHRENHEIT—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.							Principal Grazing Districts.						Channel Islands.	Means for Districts 1–10 combined.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts		
		Mean Weekly Temperature.														
14	1901-1905	39·6	41·0	43·3	44·4	44·3	45·6	43·7	42·5	43·6	46·1	43·6	46·6	44·5	48·6	44·1
	1881-1905	**41·3**	**41·9**	**42·7**	**43·9**	**44·1**	**45·5**	**43·6**	**43·2**	**43·9**	**45·6**	**44·3**	**46·0**	**44·6**	**47·8**	**44·1**
15	1901-1905	40·0	40 3	42·3	44·2	43·1	45·0	43·0	42·0	43·1	44·7	42·9	44·2	43·4	47·8	43·2
	1881-1905	**41·4**	**42·3**	**43·2**	**44·6**	**44·4**	**45·8**	**44·1**	**43·7**	**44·4**	**45·8**	**44·7**	**46·0**	**44·9**	**48·1**	**44·5**
16	1901-1905	42·9	42·9	43·6	44·8	44·4	45·8	44·3	43·7	44·7	45·8	44·6	46·0	45·0	48·1	44·7
	1881-1905	**43·2**	**43·7**	**44·3**	**45·4**	**45·6**	**46·8**	**45·2**	**45·0**	**45·6**	**46·7**	**45·9**	**47·3**	**46·1**	**48·7**	**45·7**
17	1901-1905	45·8	46·3	48·5	49·7	49·7	50·1	48·9	48·0	49·4	50·1	48·0	49·6	49·0	51·2	49·0
	1881-1905	**44·5**	**45·3**	**46·3**	**47·6**	**47·7**	**48·7**	**47·1**	**46·6**	**47·4**	**48·4**	**47·1**	**48·5**	**47·6**	**50·1**	**47·4**
18	1901-1905	45·0	45·3	46·4	48·2	47·3	49·1	47·3	47·3	47·6	48·8	47·3	49·1	48·0	50·7	47·7
	1881-1905	**44·8**	**45·9**	**46·6**	**48·1**	**48·0**	**49·4**	**47·6**	**47·1**	**47·8**	**48·7**	**47·7**	**49·2**	**48·1**	**50·5**	**47·9**
19	1901-1905	44·5	45·4	46·8	47·3	47·0	48·1	46·9	46·7	47·0	48·1	47·4	48·8	47·6	50·3	47·3
	1881-1905	**46·2**	**47·4**	**47·8**	**49·7**	**49·5**	**50·7**	**49·0**	**48·6**	**49·1**	**50·3**	**49·2**	**50·5**	**49·5**	**51·8**	**49·3**
20	1901-1905	47·1	47·9	48·4	49·7	49·9	51·2	49·4	49·5	50·2	51·6	50·1	51·9	50·7	52·9	50·1
	1881-1905	**46·7**	**48·0**	**48·7**	**50·6**	**50·6**	**52·3**	**50·0**	**49·6**	**50·3**	**51·6**	**50·0**	**51·6**	**50·6**	**52·9**	**50·3**
21	1901-1905	49·1	50·0	50·4	52·1	52·2	53·7	51·7	51·8	52·2	53·3	51·9	53·7	52·6	54·6	52·2
	1881-1905	**48·7**	**50·1**	**50·5**	**52·7**	**52·6**	**54·0**	**52·0**	**51·5**	**52·2**	**53·1**	**51·7**	**53·0**	**52·3**	**54·3**	**52·2**
22	1901-1905	51·8	53·1	54·8	56·7	56·1	57·0	55·5	54·3	55·0	56·0	53·2	55·1	54·7	56·4	55·1
	1881-1905	**50·1**	**51·8**	**52·9**	**54·8**	**54·5**	**55·8**	**54·0**	**52·7**	**53·8**	**54·7**	**53·0**	**54·3**	**53·7**	**55·7**	**53·9**
23	1901-1905	51·2	51·5	53·0	55·2	54·4	55·3	53·9	53·8	54·3	53·4	54·0	55·4	54·2	56·0	54·1
	1881-1905	**50·6**	**52·3**	**53·3**	**55·6**	**55·8**	**56·7**	**54·7**	**53·9**	**54·9**	**56·1**	**54·4**	**55·9**	**55·0**	**56·7**	**54·9**
24	1901-1905	49·5	50·1	52·4	54·1	53·3	54·7	52·9	52·3	53·0	54·0	52·1	53·9	53·1	55·6	53·0
	1881-1905	**51·4**	**53·4**	**54·3**	**55·6**	**55·7**	**56·8**	**55·2**	**54·4**	**55·4**	**56·2**	**54·7**	**56·0**	**55·3**	**57·2**	**55·3**
25	1901-1905	52·5	53·7	55·5	57·1	56·4	56·8	55·9	54·9	56·0	56·1	55·2	56·6	55·8	57·4	55·9
	1881-1905	**52·7**	**54·7**	**55·8**	**57·7**	**57·4**	**58·3**	**56·8**	**55·7**	**56·9**	**57·5**	**55·9**	**57·3**	**56·7**	**58·3**	**56·8**
26	1901-1905	55·8	57·0	58·3	60·5	60·1	60·7	59·3	58·3	59·7	60·1	57·8	59·5	59·1	60·8	59·2
	1881-1905	**54·5**	**56·7**	**58·0**	**60·1**	**59·8**	**60·7**	**59·1**	**57·3**	**58·7**	**59·2**	**57·5**	**58·9**	**58·3**	**60·1**	**58·7**
27	1901-1905	54·3	56·2	59·3	61·4	60·7	61·4	59·8	57·1	58·7	60·5	57·6	59·7	58·7	61·1	59·3
	1881-1905	**54·2**	**56·5**	**58·6**	**60·4**	**59·8**	**60·9**	**59·2**	**57·1**	**58·5**	**59·3**	**57·3**	**58·7**	**58·2**	**60·5**	**58·7**
28	1901-1905	55·5	57·6	61·1	62·8	62·6	63·3	61·5	58·6	61·0	62·1	58·5	60·8	60·2	63·1	60·9
	1881-1905	**54·6**	**57·0**	**59·0**	**60·9**	**60·3**	**61·6**	**59·8**	**57·3**	**59·0**	**59·9**	**57·3**	**58·8**	**58·5**	**61·4**	**59·2**

TABLE SHOWING THE **MEAN TEMPERATURE** OF THE AIR FOR EACH WEEK IN THE YEAR, FOR EACH DISTRICT DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, EXPRESSED IN DEGREES FAHRENHEIT—*continued*.

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S	Means for Wheat-producing Districts.	Principal Grazing Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.	Channel Islands.	Means for Districts 1-10 combined.
		Mean Weekly Temperature.														
29	1901-1905	55·4	58·1	60·4	62·4	62·1	63·3	61·3	58·8	60·7	61·9	58·6	61·2	60·2	63·6	60·8
	1881-1905	**54·4**	**56·8**	**58·6**	**60·7**	**60·1**	**61·7**	**59·6**	**57·1**	**59·0**	**60·0**	**57·5**	**59·2**	**58·6**	**61·6**	**59·1**
30	1901-1905	54·8	55·9	58·8	61·4	59·9	61·3	59·5	57·3	58·8	59·9	56·7	58·9	58·3	61·5	58·9
	1881-1905	**54·6**	**56·5**	**58·5**	**60·6**	**59·8**	**61·4**	**59·4**	**57·2**	**58·8**	**59·9**	**57·3**	**59·1**	**58·5**	**61·4**	**59·0**
31	1901-1905	55·0	57·3	60·2	61·8	60·2	61·8	60·3	57·3	59·4	60·3	57·1	59·0	58·6	62·2	59·5
	1881-1905	**55·0**	**57·2**	**59·1**	**60·7**	**60·1**	**61·7**	**59·8**	**57·6**	**59·3**	**60·1**	**57·9**	**59·4**	**58·9**	**61·9**	**59·4**
32	1901-1905	53·6	54·8	57·6	60·3	58·2	60·4	58·3	55·7	57·3	59·0	55·7	58·0	57·1	61·4	57·7
	1881-1905	**54·4**	**56·4**	**58·1**	**60·0**	**59·0**	**61·1**	**58·9**	**56·8**	**58·4**	**59·4**	**57·1**	**58·8**	**58·1**	**61·7**	**58·5**
33	1901-1905	53·5	54·5	56·7	59·1	57·4	59·6	57·5	55·5	56·9	58·4	55·8	57·4	56·8	60·9	57·2
	1881-1905	**54·4**	**56·1**	**58·1**	**60·2**	**59·3**	**61·3**	**59·0**	**56·7**	**58·3**	**59·4**	**57·2**	**58·3**	**58·0**	**61·8**	**58·5**
34	1901-1905	52·9	54·2	56·8	59·1	57·3	59·9	57·5	54·8	57·0	58·7	55·5	57·7	56·7	61·3	57·1
	1881-1905	**54·3**	**56·0**	**57·7**	**59·6**	**58·6**	**60·7**	**58·5**	**56·3**	**58·3**	**59·1**	**56·7**	**58·2**	**57·7**	**61·6**	**58·1**
35	1901-1905	53·8	54·7	57·9	59·6	57·7	60·1	58·0	55·4	57·5	58·6	55·8	57·7	57·0	60·9	57·5
	1881-1905	**52·6**	**54·2**	**56·6**	**58·3**	**57·1**	**59·5**	**57·1**	**54·8**	**56·6**	**57·8**	**55·3**	**56·9**	**56·3**	**60·5**	**56·7**
36	1901-1905	52·5	53·1	55·8	57·9	55·9	58·1	56·2	54·2	59·9	57·3	54·1	56·2	56·3	59·8	56·3
	1881-1905	**52·9**	**54·1**	**55·9**	**57·7**	**56·6**	**58·8**	**56·6**	**54·7**	**56·4**	**57·5**	**55·1**	**56·4**	**56·0**	**60·2**	**56·3**
37	1901-1905	51·8	51·6	53·6	55·4	53·4	56·0	54·0	52·7	53·9	55·5	53·5	54·8	54·1	58·4	54·1
	1881-1905	**52·7**	**53·7**	**55·2**	**56·9**	**55·8**	**58·1**	**55·9**	**54·3**	**55·9**	**57·0**	**55·1**	**56·0**	**55·7**	**59·6**	**55·8**
38	1901-1905	52·3	52·1	54·0	55·5	54·1	55·9	54·3	53·8	54·8	55·7	54·2	55·5	54·8	58·5	54·6
	1881-1905	**50·9**	**51·7**	**53·8**	**55·8**	**54·5**	**56·9**	**54·5**	**52·9**	**54·6**	**56·0**	**53·6**	**55·0**	**54·4**	**59·0**	**54·5**
39	1901-1905	52·9	52·8	54·7	56·1	54·3	56·6	54·9	54·1	54·7	55·7	54·2	55·1	54·8	58·4	54·9
	1881-1905	**49·7**	**50·6**	**52·6**	**53·7**	**52·6**	**55·2**	**52·9**	**51·8**	**53·1**	**54·4**	**52·2**	**53·7**	**53·0**	**57·6**	**53·0**
40	1901-1905	47·2	47·9	50·5	51·9	50·6	52·8	50·7	49·6	51·1	52·8	50·7	51·8	51·2	56·0	51·0
	1881-1905	**48·1**	**48·7**	**50·3**	**51·3**	**50·0**	**52·7**	**50·6**	**49·7**	**50·9**	**52·2**	**50·4**	**51·5**	**50·9**	**55·6**	**50·8**
41	1901-1905	45·9	46·0	48·2	49·7	48·8	51·1	48·8	48·0	49·2	51·5	48·8	50·8	49·7	54·7	49·3
	1881-1905	**46·2**	**46·7**	**48·5**	**49·7**	**48·5**	**50·9**	**48·9**	**48·0**	**49·4**	**50·7**	**48·2**	**49·8**	**49·2**	**54·1**	**49·1**
42	1901-1905	45·4	45·4	47·9	49·2	48·0	50·3	48·2	46·8	48·7	50·2	47·5	49·1	48·5	53·8	48·4
	1881-1905	**45·8**	**46·0**	**47·7**	**48·4**	**47·3**	**49·8**	**47·8**	**47·3**	**48·5**	**49·9**	**47·9**	**49·2**	**48·6**	**53·3**	**48·2**
43	1901-1905	45·2	44·6	46·1	46·7	45·2	47·8	46·1	46·2	47·0	47·2	46·3	47·5	46·8	52·0	46·5
	1881-1905	**44·1**	**43·9**	**46·0**	**46·7**	**45·6**	**48·2**	**46·1**	**45·5**	**46·8**	**48·4**	**46·1**	**47·5**	**46·9**	**52·0**	**46·5**

TABLE SHOWING THE **MEAN TEMPERATURE** OF THE AIR FOR EACH WEEK IN THE YEAR, FOR EACH DISTRICT, DURING THE LUSTRUM 1901–1905 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY-FIVE YEARS 1881–1905, EXPRESSED IN DEGREES FAHRENHEIT—*continued*.

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	Principal Grazing Districts. 6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing Districts.	Channel Islands.	Means for Districts 1–10 combined.
		Mean Weekly Temperature.														
44	1901–1905	45·6	45·6	47·4	47·9	46·3	48·4	47·1	47·2	47·5	48·7	47·6	48·7	47·9	51·8	47·5
	1881–1905	**43·9**	**43·9**	**45·9**	**46·7**	**45·8**	**48·3**	**46·1**	**45·9**	**46·8**	**48·5**	**46·4**	**48·0**	**47·1**	**51·7**	**46·6**
45	1901–1905	43·9	43·2	44·8	45·5	44·3	47·0	45·0	45·3	46·0	47·4	46·7	47·8	46·6	51·4	45·8
	1881–1905	**43·6**	**43·2**	**44·7**	**45·2**	**44·5**	**47·0**	**44·9**	**45·1**	**45·9**	**47·5**	**45·5**	**46·9**	**46·2**	**51·1**	**45·6**
46	1901–1905	42·1	41·4	42·7	42·7	41·5	43·3	42·3	42·8	43·2	44·1	44·0	44·4	43·7	48·5	43·0
	1881–1905	**42·2**	**41·4**	**43·1**	**43·3**	**42·6**	**45·1**	**43·1**	**43·3**	**44·0**	**45·9**	**43·8**	**45·3**	**44·5**	**49·4**	**43·8**
47	1901–1905	38·2	37·4	39·8	39·2	38·4	40·1	39·0	40·1	40·4	41·3	41·9	43·2	41·4	46·2	40·2
	1881–1905	**40·5**	**39·8**	**41·9**	**41·6**	**41·2**	**43·4**	**41·6**	**42·2**	**42·8**	**44·5**	**42·9**	**44·5**	**43·4**	**48·3**	**42·5**
48	1901 1905	40·0	38·9	39·8	40·1	38·9	41·1	39·8	41·3	41·2	41·5	41·9	42·5	41·7	46·4	40·8
	1881–1905	**40·5**	**39·8**	**41·2**	**40·7**	**40·5**	**42·3**	**40·9**	**42·2**	**42·4**	**43·5**	**42·6**	**43·8**	**42·9**	**47·1**	**41·9**
49	1901–1905	39·9	39·0	40·5	40·4	39·8	42·4	40·4	42·1	42·0	43·3	42·4	44·2	42·8	47·3	41·6
	1881–1905	**38·7**	**38·1**	**39·9**	**39·6**	**39·4**	**41·5**	**39·7**	**41·0**	**41·4**	**43·1**	**41·1**	**43·2**	**42·0**	**46·7**	**40·9**
50	1901–1905	39·9	36·8	39·4	39·1	38·4	40·3	38·8	39·4	40·0	40·6	40·7	42·5	40·6	45·6	39·7
	1881–1905	**39·2**	**37·8**	**39·3**	**39·3**	**39·0**	**41·4**	**39·4**	**40·5**	**40·7**	**42·8**	**41·2**	**43·0**	**41·6**	**46·5**	**40·5**
51	1901–1905	40·1	38·7	39·1	38·6	38·5	40·9	39·2	40·8	40·0	42·2	42·3	43·7	41·8	46·0	40·5
	1881–1905	**38·9**	**37·7**	**38·3**	**37·8**	**37·7**	**39·9**	**38·3**	**40·1**	**39·5**	**41·7**	**41·0**	**42·6**	**41·0**	**45·2**	**39·7**
52	1901–1905	38·6	37·5	38·5	38·4	37·6	39·6	38·3	39·8	39·1	41·1	41·5	43·7	41·0	44·7	39·7
	1881–1905	**38·9**	**37·4**	**38·1**	**37·5**	**37·4**	**39·6**	**38·0**	**40·0**	**39·2**	**41·4**	**40·5**	**42·6**	**40·7**	**45·0**	**39·4**